



भारत का राजपत्र The Gazette of India

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग सकलन के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

[पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस]
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Kolkata, the 10th January 2004

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Fax Nos. (044) 2431 4750/4751.
E-mail. patentchennai@vsnl.net

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5th, 6th & 7th Floor,
234/4, Acharya Jagadish Bose Road,
Kolkata-700 020.

Rest of India.

Telegraphic Address "PATENTS"
Phone Nos. (033) 2247 4401/4402/4403.

Fax Nos. (033) 2247 3851, 2240 1353.

E-mail. patentin@vsnl.com
patindia@giasclo1.vsnl.net.in

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पेटेंट कार्यालय

एकस्व तथा अभिकस्व

कोलकाता, दिनांक 10 जनवरी 2004

पेटेंट कार्यालय के कार्यालयों के प्रत्येक क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कोलकाता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं:—

1. पेटेंट कार्यालय शाखा,

टोडी इस्टेट, तीसरा तल,
सन मिल कम्पाउंड,
लोअर परेल (वेस्ट),
मुम्बई - 400 013।

गुजरात, महाराष्ट्र, मध्य प्रदेश तथा
गोआ राज्य क्षेत्र एवं
संघ शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली।

तार पता : "पेटेंटोफिस"

फोन : (022) 2492 4058, 2496 1370, 2490 3684, 2490 3852

फैक्स : (022) 2495 0622, 2490 1252

ई. मेल : patinmum@vsnl.net

2. पेटेंट कार्यालय शाखा,

डब्ल्यू-5, वेस्ट पटेल नगर,
नई दिल्ली - 110 008।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता : "पेटेंटोफिक"

फोन : (011) 2587 1255, 2587 1256, 2587 1257,
2587 1258.

फैक्स : (011) 2587 1256.

ई. मेल : delhipatent@vsnl.net

3. पेटेंट कार्यालय शाखा,

गुना कम्प्लेक्स, छत्र तल, एनैक्स-II,
443, अन्नासलाई, तेनामपेट,
चेन्नई - 600 018।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं संघ
शासित क्षेत्र लक्षद्वीप, मिनिक्काय तथा एमिनिदिवि द्वीप।
तार पता - "पेटेंटोफिक"

फोन : (044) 2431 4324/4325/4326.

फैक्स : (044) 2431 4750/4751.

ई. मेल : patentchennai@vsnl.net

4. पेटेंट कार्यालय (प्रधान कार्यालय),

नियाम पैलेस, द्वितीय बहुतलीय कार्यालय
मवन, 5वां, 6वां व 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कोलकाता - 700 020।

भारत का अग्रणी क्षेत्र।

तार पता - "पेटेंट्स"

फोन : (033) 2247 4401/4402/4403.

फैक्स : (033) 2247 3851, 2240 1353.

ई. मेल : patentin@vsnl.com

patindia@giasclo1.vsnl.net.in

वेब साइट : http://ipindia.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2002 अथवा पेटेंट नियम, 2003 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेजों को कोई फीस पेटेंट कार्यालय के केवल समुचित कार्यालयों में ही प्रहण किए जाएंगे।

शुल्क शुल्कों की अदायगी या तो नकद की जाएगी अथवा जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक, पेटेंट को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

COI RIGENLUM

Under the heading PATENTS SEALED ON 4-7-2003 in the Gazette of India, Part-III, Section 2 dated the 2nd August, 2003 please delete the patent Numbers 181915 and 188447.

Under the heading PATENTS SEALED ON 19-9-03 in the Gazette of India, Part-III, Section 2 dated the 18th October, 2003 please delete the patent No, 188941.

ALTERATION OF DATE

191828 filed on 11.7.2001.

758/Del/2001 Ante dated to 13.11.97.

191829 Date of filed on 09.4.2001.

2616/Del/1997 Ante dated to 15.09.1997.

191830 filed on 11.7.2001.

759/Del/2001 Ante dated to 13.11.97.

191831 filed on 11.7.2001.

756/Del/2001 Ante dated to 13.11.97.

191832

757/Del/2001 Ante dated to 13.11.97.

191833 Filed on 26.07.2001

781/Del/1993 Ante dated to 26.07.1993.

ALTERATION OF DATE UNDER SECTION-16

191879 (287/Cal/2001) Ante-dated to 03rd November 1995.

191880 (48/Cal/2002) Ante-dated to 31st July 1995.

अभिगृहित पूर्ण विनिर्देश

एतद्वारा सूचना दी जाती है कि आवेदनों में किसी पर पेटेंट अनुदान का विरोध करने वाले इच्छुक व्यक्ति राजपत्र के इस निर्गमन की तिथि से चार महीने के भीतर या उक्त चार महीने की समाप्ति के पूर्व, प्ररूप 4 में यदि आवेदित किया हुआ हो, तो परवर्ती एक महीने के भीतर, किसी समय, नियंत्रक, पेटेंट को ऐसे विरोध की सूचना प्ररूप 7 में उपयुक्त कार्यालय में दे सकते हैं। विरोध का लिखित कथन साक्ष्य के साथ, यदि कोई हो, दो प्रतियों में उक्त सूचना के साथ या अगले दो महीने की अवधि के भीतर दाखिल किया जाए। इस संदर्भ में, यथा संशोधित पेटेंट अधिनियम, 1970 की धारा 25 एवं पेटेंट नियम, 2003 के नियम 55 से 57 का अवलोकन किया जा सकता है।

उपयुक्त कार्यालय द्वारा विनिर्देश एवं चित्र आरेख, यदि हो, के छायाप्रति की आपूर्ति छायाप्रति शुल्क के रूप में प्रति पृष्ठ रु. 4/- की अदायगी पर की जा सकती है।

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a Patent on any of the Applications, may, at any time within four months from the date of this issue of Gazette or within further period of one month if applied for in Form 4 before the expiry of the said period of four months, give notice to the Controller of Patents at the Appropriate Office on Form 7 of such opposition. The Written Statement of Opposition accompanied by evidence, if any, should be filed in duplicate alongwith the said notice or within further period of two months. Section 25 of The Patents Act, 1970 as amended and Rules 55 to 57 of The Patents Rules, 2003 may be referred to in this regard.

Photo copies of the specification and drawings, if any, can be supplied by the Appropriate Office on payment of photocopying charges @ Rs. 4/- per page.

Indian Classification	:	55E ₄	191821
International Classification ⁴	:	A 61 K 35/00; 35/78	
Title	:	"A PROCESS FOR PREPARATION OF RADIOPROTECTIVE HERBAL EXTRACT FROM THE ROOTS AND RHIZOMES OF PODOPHYLLUM HEXANDRUM".	
Applicant	:	THE ADDITIONAL DIRECTOR (IPR) DEFENCE, Government of India, B-341, Sena Bhawan, New Delhi-110 001.	
Inventors	:	HARISH CHANDRA GOEL RAJESH ARORA JAGDISH PRASAD ASHOK KUMAR SHARMA SURENDAR SINGH THALAKKOTUR LAZAR MATHEW OM PRAKASH CHAURASIA BRAHMA SINGH -ALL INDIAN.	

Application for Patent Number 1092/DEL/2000 filed on 29/11/2000

Appropriate office for opposition proceedings (Rule 4, Patents Rules, -2003) Patent Office
Delhi Branch, New Delhi – 110 008.

(02 Claims)

A process for preparation of radioprotective herbal extract from the roots and rhizomes of Podophyllum hexandrum comprising the steps of air drying at ambient temperature for 15-20 days, chopping the dried plant material into small pieces around 0.5 diameter and drying them by spreading on a filter paper in an oven at 35-45⁰ C for 4-7 days, grinding the dried plant material thus obtained and passing through a strainer of mesh size 40-60µm, preparing aqueous mixture by soaking dried plant material in demineralised triple distilled water for 24 hours by taking plant material and the said type of water in weight to volume ratio of 1:5, subjecting the aqueous mixture thus prepared to controlled heating with constant stirring at 35-45⁰ on a steam bath and decanting the plant material, repeating, at least 4 times, the process of mixing in water, heating and decanting, adjusting the pH of combined extract thus obtained to 7.0, filtering through whatmann filter and then through 0.22µm filter, concentration in rataevaporation at temperature upto 50⁰C, followed by lyophilisation, obtaining the radio protective herbal extract of the present invention.

(Complete Specification Pages 13 Drawing NIL Sheet)

Indian Classification : 55E₄ 191822

International Classification⁴ : A 61 K 31/00; C 0 7G 7/00; G01 N 33/00.

Title : "A PROCESS FOR THE PREPARATION OF A 60 KDa ANTI-HIV ACTIVE GLYCOPROTEIN FROM HUMAN PLACENTA".

Applicant : THE SECRETARY, DEPARTMENT OF BIOTECHNOLOGY, Block 2, C.G.O. Complex, Lodi Road, New Delhi-110 003, an Indian national and UNIVERSITY OF HYDERABAD, Hyderabad-500 046, Andhra Pradesh, an Indian University, INDIA.

Inventors : ANAND KISHORE KONDAPI-INDIAN.

Application for Patent Number 496/DEL/2000 filed on 10/05/2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)-Patent Office Delhi Branch, New Delhi – 110 008.

(05 Claims)

A process for preparation of 60 KDa anti-HIV active novel glycoprotein from human placenta wherein glycoprotein is able to inhibit HIV-1 gp120-CD4 interaction and the process characterised by the steps of :-

- (i) subjecting the human placenta tissue to homogenization and centrifugation as described herein to obtain a supernatant containing the proteins wherein the human placenta tissue is collected from medically terminated pregnancies during first trimester;
- (ii) fractionating the supernatant obtained by step (i) and centrifugation at 8000 x g for 20 min at 4°C
- (iii) repeating the step of centrifugation and fractionation obtaining final supernatant containing protein;
- (iv) purifying the protein thus obtained by single step lectin (*Sambucus nigra*) or single step leupeptin chromatography in that lectin chromatography is by loading with 40-80% ammonium sulphate protein fraction and eluting with 50mM D(+) Galactose in PO₄(pH6.0) and leupeptin chromatography is by loading on 5ml immobilized leupeptin affinity column which is equilibrated with 50 bed volumes of phosphate buffered saline (PBS) until OD₂₈₀ of eluate was 0.01 followed by eluting 1ml fractions with PO₄ buffer (Ph 6.0) containing 50mM D(+) Galactose.

(Complete Specification Pages 12 Drawing 06 Sheets)

Indian Classification	:	55 E (1)	191823
International Classification ⁷	:	A 61 K 39/112, A 61 K 35/74	
Title	:	" A PROCESS OF PREPARATION OF SALMONELLA VACCINE(NON-LIVING)".	
Applicant	:	G.B. PANT , University of Agriculture & Technology, Pantnagar, Distt. Udham Singh nagar- 263 145 UP, India, an Indian university.	
Inventors	:	VISWASHWAR DUTT SHARMA SUBODH KUMAR SHRI KRISHNA GARG ALL INDIAN	

Application for Patent Number 352/del/2000 filed on 29.3.2000

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch,
New Delhi – 110 005.

(7 Claims)

A process for the preparation of *Salmonella* vaccine (non-living) from enterotoxin and cytotoxins isolated from a single strain of *S. Weltevreden* for protection against Salmonellosis in poultry, comprising:

- treating the said toxins with 0.1-0.25% formalin in a ratio to result in lost toxicity but retained immunogenicity and incubating for 40-50 hours at 35-38°C temperature,
- removing formalin by dialysis against phosphate buffer saline (PBS),
- concentrating the formalized toxins to original protein concentration with polyethylene glycol, and
- adding 90-110 international units (IU) of vitamin E to per ml of the said concentrated toxoids to get the desired vaccine.

(COMPLETE SPECIFICATION 10 PAGES

DRAWING SHEET-2)

Indian Classification	:	6 A	191824
International Classification	:	B 01D 51/00	
Title	:	"A SYSTEM FOR OBTAINING A GAS SAMPLE FOR A GAS FEED STREAM"	
Applicant	:	PRAXAIR TECHNOLOGY, INC., at 39 Old Ridgebury Road, Danbury, State of Connecticut 06810-5113, United States of America.	
Inventors	:	MARK LEONARD MALCZEWSKI, ARTHUR EDWARD HOLMER AND HOLLIS CLIFFORD DEMMIN – ALL U.S. CITIZENS.	

Application for Patent Number 1157/DEL/96 filed on 30.5.96

Appropriate office for opposition proceedings (Rule 4, Patents Rules, -2003) Patent Office Branch, New Delhi – 110 008.

(11 Claims)

A system for obtaining a gas sample for a gas feed stream and determining characteristics of particulate matter entrained therein, said system comprising:

probe means (12) in communication with said pressurized gas feed stream for providing a gas sample that is iso-kinetic with said gas feed stream, and for providing said gas sample at an output above atmospheric pressure;

conduit means (16) for coupling said probe means (12) to a vent (26); a particle analyzer (22), and

an analyzer probe (20) in communication with said conduit means (16) for providing an analysis sample of said gas sample to said particle analyzer (22); characterized by

flow restriction means (18) positioned in said conduit means (16) between said vent (26) and said analyzer probe (20) for restricting flow of said gas sample in said conduit means (16) and for maintaining an overpressure of said gas sample at said analyzer probe (20) so as to force at least a portion of said gas sample into said particle analyzer (22).

(Complete Specification Pages – 17 Drawing sheets – 2)

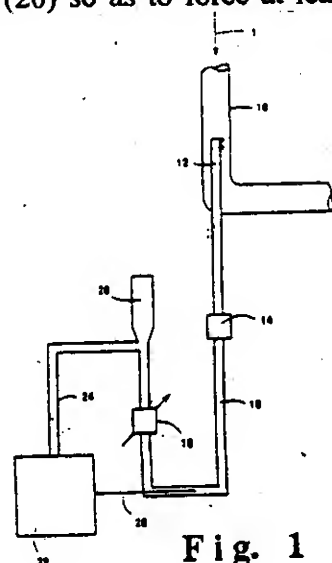


Fig. 1

Indian Classification : 170A 191825

International Classification⁴ : C 11 D 3/00.

Title : "A CLEANING COMPOSITION".

Applicant : **THE PROCTER & GAMBLE COMPANY**, a corporation organized and existing under the laws of the State of Ohio, United States of America, of One Procter & Gamble Plaza, Cincinnati, Ohio 45202, United States of America.

Inventors : **PHILIP REDERICK III BRODE**
BOBBY LEE BARNETT
DONN NELTON RUBINGH-ALL US.

Application for Patent Number 456/DEL/96 filed on : 06/03/1996

Convention date: 09/03/1995; 08/401,575; US.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(03 Claims)

A cleaning composition for cleaning hard surfaces, dishes, fabrics, contact lens, dentures, as herein before described comprising by weight of the composition:

0.0001 to 20% of the subtilisin enzyme variants as herein described;

upto 99.99% of the cleaning composition carriers of the kind herein described ; and

the balance being optional conventional ingredients such as surfactants

(Complete Specification Pages 149 Drawing NIL Sheets)

Indian Classification	:	197	191826
International Classification ⁴	:	A 47 L-13/00 +13/36	
Title	:	"A CONCENTRATED CLEANING COMPOSITION FOR USE ON HARD SURFACE".	
Applicant	:	RECKETT & COLMAN , a Delaware corporation of 225 Summit Avenue, Montvale, New Jersey 07645, USA.	
Inventors	:	ROBERT ZHONG LU-USA DENNIS THOMAS SMIALOWICZ-US	

Application for Patent Number 2186/DEL/96 filed on 07/10/1996

Convention date: 14/11/1995; 9523222.9; UK.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(07 Claims)

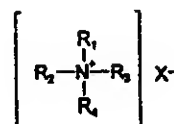
A concentrated cleaning composition for use on hard surfaces comprising the following constituents:

A) 0.001 – 15% by weight of a conventional pine oil compositions of the kind as herein described containing at least 60% alpha-terpineol:

B) 0.001 – 15% by weight of an organic co-solvent of the kind such as herein ~~before~~ described:

C) 0.001 – 15% by weight of a non-ionic surfactant composition of the kind such as herein described which include two or more non-ionic surfactants wherein at least one of which exhibits a cloud point of 20°C or less in water;

D) 0.5 – 5% by weight of a cationic quaternary ammonium surfactant having the structure



wherein:

at least one R_1 , R_2 , R_3 and R_4 is selected from hydrophobic, aliphatic, aryl aliphatic or aliphatic aryl radical of from 6 to 26 carbon atoms, and any remaining R_1 , R_2 , R_3 and R_4 are hydrocarbons of from 1 to 12 carbons atoms, wherein any R_1 , R_2 , R_3 and R_4 may be linear or branched and may include one or more ether or amide linkage; and, X is a salt-forming anionic radical:

E) 0.000001 – 1.5% by weight of any known fragrance/fragrance enhancer such as herein described; and

F) the balance, up to 100% by weight, comprising water.

(Complete Specification Pages 22 Drawing 01 Sheet)

Indian Classification	:	32F ₁	191827
International Classification ⁴	:	C08F 10/00; C08F4/00	
Title	:	"A PROCESS FOR POLYMERIZATION OF AT LEAST ONE OLEFIN".	
Applicant	:	BP CHEMICALS LIMITED , a British company, of Britannic House, 1 Finsbury Circus, London EC2M 7BA, England.	
Inventors	:	ERICK DAIRE-FRANCE	

Application for Patent Number 72/DEL/96 filed on 11/01/1996

Convention date: 18/01/1995; 9500788; FRANCE.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(16 Claims)

A process for polymerization of at least one olefin with the aid of a catalyst system including a catalyst containing at least one organometallic compound of a transition metal possessing at least one ligand of cyclopentadienyl or substituted cyclopentadienyl type and optionally a co-catalyst of the kind such as herein described, characterized in that the polymerization is carried out in gas phase in the presence of hydrogen, in a quantity such that the ratio of the partial pressure of hydrogen to that of the olefin(s) is from 1:10 000 to 1:10, and a polymerization component selected amongst halogenated hydrocarbons, in a quantity such that the ratio of the number of moles of the halogenated hydrocarbon to the number of gram-atoms of transition metal of the catalyst is from 1:10 000 to 100:1.

(Complete Specification Pages 20 Drawing NIL Sheet)

Indian Classification	: 32 F (2b)	191828
International Classification ⁷	: C07D 207/04	
Title	: "A PROCESS FOR THE SYNTHESIS OF 1-(4-ARYLPIPERAZIN-1-YL)- ω -(2,6-DIOXOPIPERIDIN-1-YL)ALKANES AS α_1 -ADRENORECEPTOR BLOCKERS USEFUL FOR HYPERTENSION AND BENIGN PROSTATIC HYPERPLASIA (BPH)."	
Applicant	: RANBAXY LABORATORIES LTD. a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi - 110019, INDIA and COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India.	
Inventors	: NITYA ANAND - INDIAN NEELIMA SINHA - INDIAN SANJAY JAIN - INDIAN ANITA MEHTA - INDIAN ANIL KUMAR SAXENA - INDIAN JANG BAHADUR GUPTA - INDIAN.	

Application for Patent Number 758/Del/2001 filed on 11th July 2001.

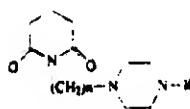
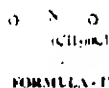
Divisional out of Patent Application No. 3260/del/97 filed on 13.11.97

Ante dated to 13.11.97.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)
Patent Office Branch, New Delhi - 110 008.

(2 Claims)

A process for the preparation of 1-(4-arylpiperazin-1-yl)- ω -(2,6-dioxopiperidin-1-yl) alkanes of Formula III



as an α_1 -adrenoreceptor blockers useful for the treatment of hypertension and benign prostatic hyperplasia (BPH) wherein R represents chlorophenyl, fluorophenyl, methylphenyl and n=2-4, which comprises condensing 1-chloro- ω -(2,6-dioxopiperidin-1-yl) alkanes of the Formula IV with 1-arylpiperazines of the Formula V, in the presence of potassium carbonate and dimethylformamide at temperatures ranging upto 150°C in the presence of phase transfer catalyst such as tetrabutylammonium bromide and potassium iodide, where R and n have the meanings given above.

(Complete Specification 5 Pages Drawings 2 Sheets)

Nian Classification	:	32C	191829
International Classification ⁴	:	C 07 H-019/19; 019/06.	
Title	:	"PROCESS FOR THE PREPARATION OF 2'-FLUORO-5-METHYL-β-L-ARABINOFURANOSYLURIDINE".	
Applicant	:	THE UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC., of the address: Boyd Graduate Studies Research Centre, The University of Georgia, Athens, Georgia 30602-7411, <u>USA</u> .	
Inventors	:	CHUNG KWANG CHU-AMERICA JINFA DU-CANADA YONG SEOK CHOI-KOREA	

Application for Patent Number 468/DEL/2001 filed on 09/04/2001

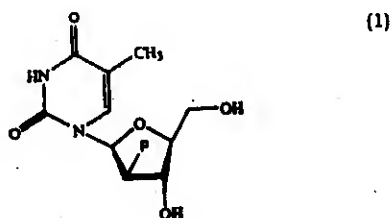
Divided out of Patent application No. 2616/Del/97 filed on 15/9/97.

Convention date : 23/07/1997: P-92, 725: USA.

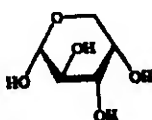
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office
Delhi Branch, New Delhi – 110 008.

(18 Claims)

A process for preparing 2'-fluoro-5-methyl-β-L-arabino-furanosyluridine (L-FMAU) of formula (1)



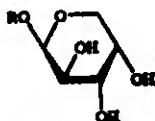
from the starting material L-arabinose of formula (4)



comprising the following:

- a). reacting a compound of formula (4) with ROH, wherein R is benzyl, aryl or aralkyl group to form a compound of formula (5); and then

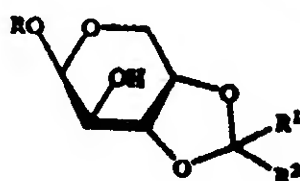
(5)



- b)condensing the compound of formula (5) with a compound of formula (19)



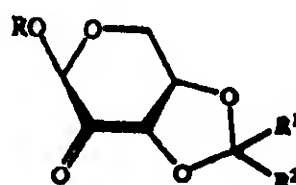
wherein R^1 and R^2 are selected independently from hydrogen, alkyl, or aryl; to obtain
a compound of formula (6)



(6)

wherein R^1 and R^2 are selected independently from hydrogen, alkyl, or aryl; and R is alkyl, aryl, halogenoalkyl, or aralkyl; and then

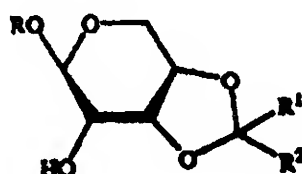
- c) oxidizing the compound of formula (6) by any conventional manner to obtain a compound of formula (7)



(7)

wherein R^1 and R^2 are selected independently from hydrogen, alkyl, or aryl; and R is alkyl, aryl, halogenoalkyl, or aralkyl; and then

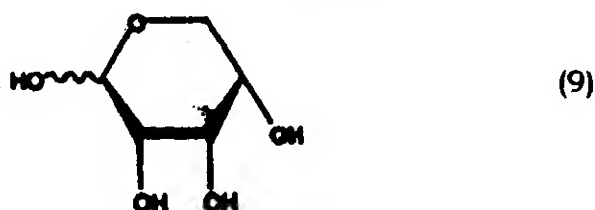
- d) reducing the compound of formula (7) by any conventional manner to obtain a compound of formula (8),



(8)

wherein R^1 and R^2 are selected independently from hydrogen, alkyl, or aryl; and R is alkyl, aryl, halogenoalkyl, or aralkyl; and then

- e) treating the compound of formula (8) with an acid by any conventional manner to obtain a compound of formula (9); and then

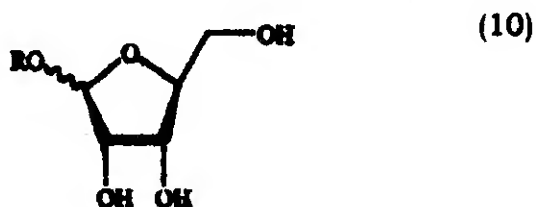


- f) treating the compound of formula (9) with a compound of formula (18) by any conventional manner



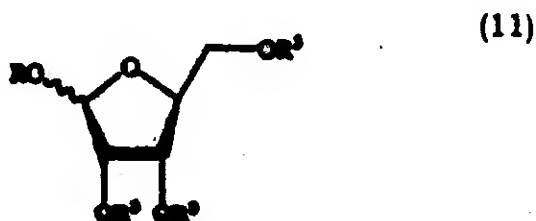
wherein R is alkyl, aryl, halogenoalkyl, or aralkyl group;

in the presence of an acid such as herein described to obtain a compound of formula (10);



Wherein R is alkyl, aryl, halogenoalkyl, or aralkyl group; and then

- g) reacting the compound of formula (10) with an acyl-halide to obtain a compound of formula (11),

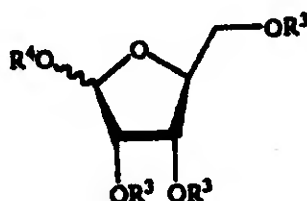


Wherein R is alkyl, aryl, halogenoalkyl, or aralkyl group;

R³ is acyl; and then

- h) reacting the compound of formula (11) with a carboxylic acid and/or an anhydride in the presence of an acid such as herein described to obtain a compound of formula (12);

(12)



wherein R^3 and R^4 are selected independently from acyl group; and then

- i) converting the compound of formula (12) into a compound of formula (13) by any conventional manner such as herein described;

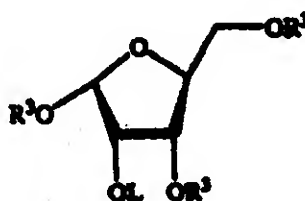
(13)



wherein R^3 is acyl; and then

- j) introducing a reactive leaving group into the compound of formula (13) to obtain a compound of formula (14),

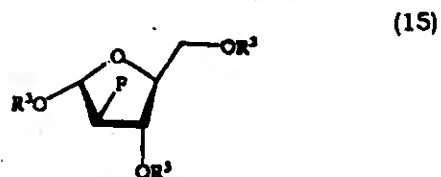
(14)



wherein OL represents a reactive leaving group;

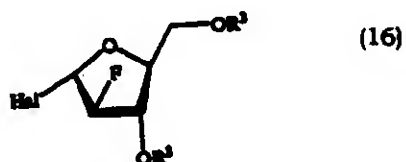
R^3 is acyl; and then

- k) fluorinating the compound of formula (14) to obtain a compound of formula (15)



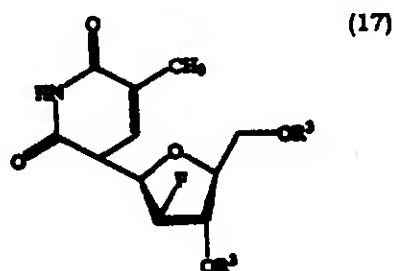
wherein R^3 is acyl; and then

- l) halogenating the compound of formula (15) to obtain a compound of formula (16);



wherein R^3 is acyl; and Hal is halogen; and then

- m) condensing the compound of formula (16) with a thymine base to obtain a compound of formula (17)



Wherein R^3 is acyl; and then

- n) deprotecting in any conventional manner the compound of formula (17) to obtain the 2'-fluoro-5-methyl-β-L-arabino-furanosyluridine (L-FMAU) of formula (1).

(Complete Specification Pages 29 Drawing NIL Sheet)

Indian Classification	:	32 F (2b)	191830
International Classification ⁷	:	C07D 207/04	
Title	:	<p>"A PROCESS FOR THE SYNTHESIS OF 1-(4-ARYLPIPERAZIN-1-YL)-ω-(2,6-DIOXOPIPERIDIN-1-YL)ALKANES AS α_1-ADRENORECEPTOR BLOCKERS USEFUL FOR HYPERTENSION AND BENIGN PROSTATIC HYPERPLASIA (BPH)."</p>	
Applicant	:	<p>RANBAXY LABORATORIES LTD. a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi - 110019, INDIA and Council of Scientific and Industrial Research, Rafi Marg, New Delhi-110001, India.</p>	
Inventors	:	<p>NITYA ANAND - INDIAN NEELIMA SINHA - INDIAN SANJAY JAIN - INDIAN ANITA MEHTA - INDIAN ANIL KUMAR SAXENA - INDIAN JANG BAHADUR GUPTA - INDIAN.</p>	

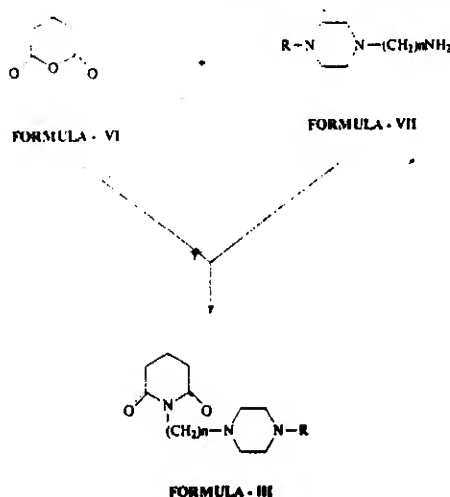
Application for Patent Number 759/Del/2001 filed on 11th July 2001.

Divisional out of Patent Application No. 3260/del/97 filed on 13.11.97
Ante dated to 13.11.97.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, -2003)-
Patent Office Branch, New Delhi - 110 008.

(2 Claims)

A process for the preparation of 1-(4-arylpiperazin-1-yl)- ω -(2,6-dioxopiperidin-1-yl) alkanes of Formula III



useful as an α_1 -adrenoreceptor blockers useful for the treatment of hypertension and benign prostatic hyperplasia (BPH) wherein R represents chlorophenyl, fluorophenyl, methylphenyl, methoxyphenyl, pyridyl, pyrimidinyl, dimethylphenyl and trifluoromethylphenyl and n represents 2-4, which comprises condensation glutaric anhydride of formula VI with 1-amino- ω -(4-arylpiperazin-1-yl)alkanes of the formula VII at temperatures ranging upto 120° , where R and n have the meanings given above, in the presence of base and a suitable solvent preferably selected as pyridine.

(Complete Specification 6 Pages Drawings 2 Sheets)

Indian Classification	: 32 F (2b)	191831
International Classification ⁷	: C07D 207/04	
Title	: "A PROCESS FOR THE SYNTHESIS OF 1-(4-ARYLPIPERAZIN-1-YL)- ω -(2,5-DIOXOPYRROLIDIN-1-YL)ALKANES AS α_1 -ADRENORECEPTOR BLOCKERS USEFUL FOR HYPERTENSION AND BENIGN PROSTATIC HYPERPLASIA (BPH)."	
Applicant	: RANBAXY LABORATORIES LTD. a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi - 110019, INDIA and Council of Scientific and Industrial Research, Rafi Marg, New Delhi-110001, India.	
Inventors	: NITYA ANAND - INDIAN NEELIMA SINHA - INDIAN SANJAY JAIN - INDIAN ANITA MEHTA - INDIAN ANIL KUMAR SAXENA - INDIAN JANG BAHADUR GUPTA - INDIAN.	

Application for Patent Number 756/Del/2001 filed on 11th July 2001.

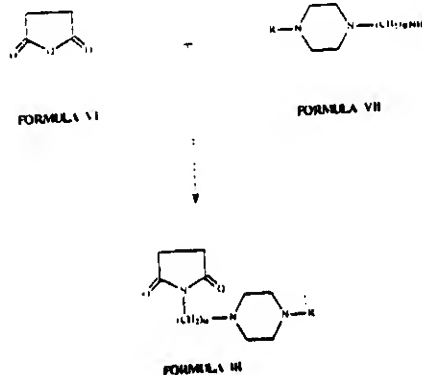
Divisional out of Patent Application No. 3261/del/97 filed on 13.11.97

Ante dated to 13.11.97.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)
Patent Office Branch, New Delhi - 110 008.

(2 Claims)

A process for the preparation of novel 1-(4-arylpiperazin-1-yl)- ω -(2,5-dioxopyrrolidin-1-yl)alkanes of formula III



as α_1 -adrenoreceptor blockers useful for the treatment of hypertension and benign prostatic hyperplasia (BPH) wherein R represents fluorophenyl, methoxyphenyl, trifluoromethylphenyl, pyridyl, pyrimidyl and dimethylphenyl and n represents 2-4, comprising condensation of 2,5-dioxopyrrolidin of the formula VI with 1-amino- ω -(4-arylpiperazin-1-yl) alkanes of the formula VII at temperatures ranging upto 120°C for period varying between 10-15 hours in the presence of phase transfer catalyst such as tetrabutylammonium bromide and potassium iodide, where R and n have the same meanings given above, in a suitable solvent.

(Complete Specification 5 Pages Drawings 2 Sheets)

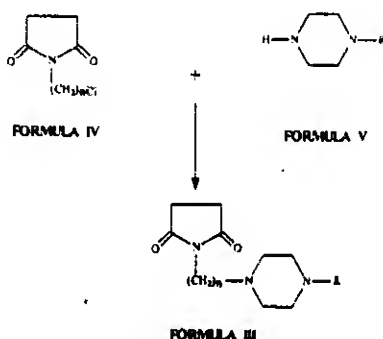
Indian Classification	:	32 F (2b)	191832
International Classification ⁷	:	C07D 207/00	
Title	:	"A PROCESS FOR THE PREPARATION OF 1-(4-ARYLPIPERAZIN-1-YL)- ω -(2,5-DIOXOPYRROLIDIN-1-YL)ALKANES AS α_1 -ADRENORECEPTOR BLOCKERS USEFUL FOR HYPERTENSION AND BENIGN PROSTATIC HYPERPLASIA (BPH)."	
Applicant	:	RANBAXY LABORATORIES LTD. a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi - 110019, INDIA and Council of Scientific and Industrial Research, Rafi Marg, New Delhi-110001, India.	
Inventors	:	NITYA ANAND - INDIAN NEELIMA SINHA - INDIAN SANJAY JAIN - INDIAN ANITA MEHTA - INDIAN ANIL KUMAR SAXENA - INDIAN JANG BAHADUR GUPTA - INDIAN.	

Application for Patent Number 757/Del/2001 filed on 11th July 2001.
 Divisional out of Patent Application No. 3261/del/97 filed on 13.11.97
 Ante dated to 13.11.97.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, -2003)
 Patent Office Branch, New Delhi - 110 008.

(2 Claims)

A process for the preparation of 1-(4-aryl piperazin-1-yl)- ω -(2,5-dioxopyrrolidin-1-yl)alkanes of formula III



as α_1 -adrenoreceptor blockers useful for the treatment of hypertension and benign prostatic hyperplasia (BPH) wherein R represents fluorophenyl, methoxyphenyl, trifluoromethylphenyl, pyridyl, pyrimidyl and dimethylphenyl and n represents 2-4, comprising condensation of 1-chloro- ω -(2,5-dioxopyrrolidin-1-yl)alkanes of the formula IV with 1-arylpiperazines of the formula V in the presence of potassium carbonate and dimethylformamide at temperatures ranging upto 150°C for a period varying between 8-24 hours in the presence of phase transfer catalyst such as tetrabutylammonium bromide and potassium iodide, where R and n have the same meanings given above.

(Complete Specification 5 Pages Drawings 2 Sheets)

191833

Indian Classification	:	73x xii (2); 74 X XI (1), 172 C, 172 D
International Classification ⁴	:	F.65 H 75/00, F 26 B 13/00
Title	:	" WOVEN FABRIC "
Applicant	:	ENGELHARD CLAL SAS; of 8 rue Portefoin 75003 Paris, France
Inventors	:	JEAN - PAUL GUERLET - France CLAUDE LAMBERT - France

Application for Patent Number 800/DEL/2001 filed on 26.07.2001.

Divided out of patent application no. 781/DEL/93 filed on 26.07.93

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi - 110 008.

(06 Claims)

A woven fabric comprising warp threads and weft threads wherein:

- said warp threads are linear threads made of a material which is selected from the group consisting of metals of the group of the platinoids and alloys thereof and of the refractory materials, and
- said weft threads comprise threads comprising at least one filiform element (20) which is helically wound and constituted by a metal of the platinoid group or by an alloy of one of these metals, said threads comprising optionally a core comprising at least one filiform element (10, 11, 12) and having a mass per unit of length which is between 1.5 and 5 times, the mass of the linear thread and the distance between two consecutive turns of the helical winding (20) which is between 0.25 and 4 times the diameter of the thread constituting said winding,
- said warp threads being imbricated between the turns of said helical winding.

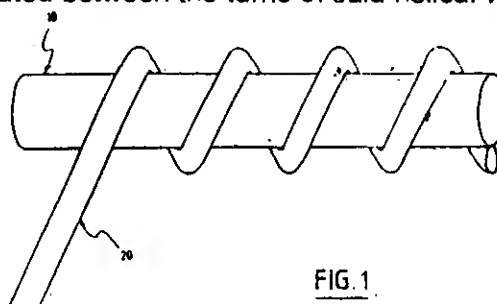


FIG. 1

(COMPLETE SPECIFICATION 33 PAGES DRAWING - 07- SHEETS)

Indian Classification	:	55E4; 32F3(a).	191834
International Classification ⁴	:	A 61 K 31/00.	
Title	:	"AN IMPROVED PROCESS FOR THE PREPARATION OF TRANS β-IONYLIDENEACETALDEHYDE".	
Applicant	:	RANBAXY LABORATORIES LIMITED, a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi-110019, INDIA.	
Inventors	:	MOHAMMAD SALMAN PURNA CHANDRA RAY JAYACHANDRA SURESH BABU NARESH KUMAR-ALL INDIAN.	

Application for Patent Number 880/DEL/2001 filed on 24/08/2001

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office
Delhi Branch, New Delhi – 110 008.

(07 Claims)

A process for the synthesis of trans β -ionylideneacetaldehyde of structural formula 1 as shown in the accompanied drawings which comprises:

- (a) condensation of a solution of triethyl phosphonoacetate of structural formula III with a solution of β -ionone of structural formula II in toluene in the presence of sodium amide at a temperature of -10 to 80° C to obtain ethyl β -ionylideneacetate of Formula IV as shown in the accompanied drawings,
- (b) dissolving the ester as obtained in step(a), in organic solvent selected from hexane, tetrahydrofuran, toluene, xylene, and mixture(s) thereof and reducing it with a reducing agent such as herein described to obtain β -ionylidene alcohol of Formula V,
- (c) oxidizing the solution of alcohol as obtained in step (b) in the said organic solvents, in situ with manganese dioxide at 60 - 70° C for 2 to 4 hours to obtain trans β -ionylideneacetaldehyde of structural formula I having less than 5% of the 9-cis isomer.

(Complete Specification Pages 07 Drawing 05 Sheets)

Indian Classification	:	32F _{3(c)} ; 32F ₁ ; 55E ₄ .	191835
International Classification ⁴	:	A 61 K 31/00; C07C 209/00	
Title	:	“AN IMPROVED PROCESS FOR THE PREPARATION OF TOLTERODINE”.	
Applicant	:	RANBAXY LABORATORIES LIMITED, a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi-110019, INDIA.	
Inventors	:	YATENDRA KUMAR MOHAN PRASAD PRAVEEN KUMAR NEELA SATYANANDA MISRA-ALL INDIAN.	

Application for Patent Number 829/DEL/2001 filed on 03/08/2001.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(08 Claims)

An improved process for the preparation of tolterodine of structural Formula I as shown in the Scheme of the accompanied drawings, comprising:

- reacting 3,4-dihydro-6-methyl-4-phenyl-2H-benzopyran-2-one of structural Formula II as shown in the accompanied drawings with demethyl sulphate in the presence of sodium hydroxide, and a phase transfer catalyst such as herein described at a temperature of 10-50°C in organic solvent such as herein described and isolating methyl-3-(2-methoxy-5-methylphenyl)-3-phenyl propionate of Formula III, as shown in the accompanied drawings,
- dissolving the ester obtained in step a) in a organic solvent such as herein described and reacting it with a reducing agent such as herein described in presence of a Lewis acid such as herein described to obtain 3-(2-methoxy-5-methylphenyl)-3-phenyl propanol of Formula IV as shown in the accompanied drawings,
- reacting a solution of the alcohol obtained in step b) with a protecting agent such as herein described and separating the product of Formula V as shown in the accompanied drawings by filtration.
- aminating the protected alcohol obtained in step c) with diisopropylamine in a organic solvent such as herein described at a temperature of 25-105°C to give N,N-diisopropyl-3-(2-methoxy-5-methylphenyl)-3-phenylpropylamine of Formula VI,
- removing the hydroxy protecting group of the product obtained in step d) by treating it with agents such as herein described to obtain N, N-diisopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenylpropylamine of formula VI, and
- converting the obtained compound of Formula VI into its pharmaceutically acceptable salts of Formula I as shown in the accompanied drawings by treating it with acid.

(Complete Specification Pages 08 Drawing 04 Sheets)

Indian Classification	:	55E4: 32F1.	191836
International Classification ⁴	:	A 61 K 31/00.	
Title	:	"A PROCESS FOR THE PREPARATION OF A STABLE ORAL PHARMACEUTICAL COMPOSITION CONTAINING A SUBSTITUTED PYRIDYLSULFINYL BENZIMIDAZOLE".	
Applicant	:	RANBAXY LABORATORIES LIMITED, a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi-110019, INDIA.	
Inventors	:	DILIP THACHARODI ASHOK RAMPAL-BOTH INDIAN.	
Kind of Application	:	COMPLETE	

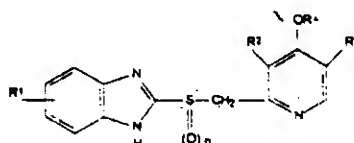
Application for Patent Number 984/DEL/2001 filed on 25/09/2001

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(08 Claims)

A process for the preparation of a stable oral pharmaceutical composition having a substituted pyridylsulfinyl benzimidazole characterized by the steps of:

- mixing a substituted pyridylsulfinyl benzimidazole ranging from 1 to 40 mg with a vinylpyrrolidone polymer ranging from 10 to 98% w/w. to obtain a blend.
- granulating said blend with a fatty acid triglyceride ranging from 0.1 to 30% w/w selected from the group consisting of glycerides of carbon atoms C8 to C10 medium chain fatty acid, C12 to C18 long chain fatty acids, to obtain a granule.
- filling the blend or the granules into a capsule wherein the capsule is made up of at least one enteric polymer or the capsule is coated with at least one enteric polymer selected from the group consisting of polyacrylates, cellulose acetate, vinyl acetate or alginates, to obtain said stable oral pharmaceutical composition.



Figure

(Complete Specification Pages 12 Drawing 01 Sheet)

Indian Classification	:	55E ₄	191837
International Classification ⁴	:	C07C 69/76; A 61K 31/00.	
Title	:	"A IMPROVED PROCESS FOR THE PURIFICATION OF ACITRETIN".	
Applicant	:	RANBAXY LABORATORIES LIMITED, a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi-110019, <u>INDIA.</u>	
Inventors	:	YATENDRA KUMAR MOHAN PRASAD KAPTAN SINGH PANKAJ SHARMA-ALL INDIAN.	

Application for Patent Number 777/DEL/2001 filed on 19/07/2001

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office
Delhi Branch, New Delhi – 110 008.

(10 Claims)

A improved process for the purification of acitretin of Formula 1, as shown in the
accompanied drawings comprising:

- contacting crude acitretin with polar solvent(s), optionally in the presence of a free
radical scavenger, and
- isolating pure acitretin from the mixture by conventional methods.

(Complete Specification Pages 06 Drawing 01 Sheet)

Indian Classification	:	55E ₄	191838
International Classification ⁴	:	A 61 K 31/00; C 07 K 7/00	
Title	:	"A METHOD FOR PRODUCING ZONA PELUCIDA 2 PROTEIN, USEFUL AS AN INFERTILITY AGENT".	
Applicant	:	NATIONAL INSTITUTE OF IMMUNOLOGY, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860). Aruna Asaf Ali Marg, New Delhi-110 067, INDIA.	
Inventors	:	POONAM JETHANANDANI RAMASAMY SANTHANAM SATISH KUMAR GUPTA-ALL INDIAN.	

Application for Patent Number 1060/DEL/98 filed on 24/04/1998
Complete left after Provisional specification filed on 02/06/1998

Appropriate office for opposition proceedings. (Rule 4, Patents Rules, 2003) Patent Office
Delhi Branch, New Delhi – 110 008.

(09 Claims)

A method of producing ZP2 protein, useful as an infertility agent, said method comprising:

- (a) constructing a suitable plasmid vector with a polynucleotide sequence encoding for ZP2 protein obtained from the ovarian tissue of *Macaca radiata*,
- (b) excising the ZP2 transcript from the plasmid vector and further constructing the expression vector in a manner such as hereindescribed,
- (c) transfecting *E. coli* cells with the recombinant expression vector obtained in step (b) above,
- (d) culturing the transfected *E. coli* cells expressing ZP2 proteins under suitable nutrient conditions, and isolating the ZP2 proteins in a known manner as hereindescribed.



Figure 1

(Provisional specification 09 Pages Drawing NIL Sheet)
(Complete Specification 26 Pages Drawing 04 Sheets)

Indian Classification	:	55 E	191839
International Classification ⁷	:	A 61 K 31/00	
Title	:	"A PROCESS FOR PREPARATION OF IBUPROFEN".	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi, India, an Indian Registered body incorporated under the Registration of Societies Act.	
Inventors	:	RAGHUNATH VITTHAL CHAUDHARI-INDIA, SEAYAD ABDUL MAZEED-INDIA, JAYASREE SEAYAD-INDIA.	

Application for Patent Number 3697/del/98 filed on 9.12.98.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 005.

(9 Claims)

An improved process for the preparation of ibuprofen which comprises reacting para isobutyl phenylethanol (p-IBPE), halide salt/ hydrohalic acid, a protonic acid, water and a catalyst prepared by the process such as herein described in an organic solvent under constant stirring in carbon monoxide atmosphere at a temperature ranging between 30 to 130°C, for a period ranging between .3 to 6 hours at a pressure ranging between 50 to 1500 psig, cooling the reaction mixture to ambient temperature, flushing the reaction vessel with inert gas, removing the solvent by conventional methods and recovering ibuprofen by known methods.

(COMPLETE SPECIFICATION 20 PAGES

DRAWING SHEET-NIL)

Indian Classification	:	55 F	191840
International Classification ⁴	:	A 61 K-035/78; A01N- 065/00.	
Title	:	"A PROCESS FOR THE PREPARATION OF A HERBAL COMPOSITION FOR IMPROVING MENTAL CAPABILITIES".	
Applicant	:	MAHARAJ KRISHNA PANDITA, of Dalmia Industries Ltd., 8-A, Atma Ram House, 1 Tolstoy Marg, New Delhi-10 001 & DALMIA CENTRE FOR BIO-TECHNOLOGY, Registered under Societies Registration Act 1860 having its office at 9/38-C, Siruvani Main Road, Kalampalayam, Coimbatore-641010, Tamil Nadu, INDIA.	
Inventors	:	MAHARAJ KRISHNA PANDITA GOVIND PRASAD DUBE-BOTH INDIAN.	

Application for Patent Number 2659/DEL/1998 filed on 07/09/1998

Complete left after Provisional specification filed on 20/01/1999

Appropriate office for opposition proceedings (Rule 4, ~~Patents~~ Rules, 2003) Patent Office
Delhi Branch, New Delhi – 110 008.

(05 Claims)

A process for the preparation of a herbal composition for improving mental capabilities of the type herein described which comprises in adding to every 10 ml of syrup, a memory enhancement agent selected from 100-500 mg of an extract of *Becoppa monnieri* or 10-500 mg of *Centralla asiatica*, wherein improvement comprises 7.5-35 mg extract of *Acorus calamus*. 0.02-0.20 ml of an oil extract of *Celestrus paniculatus* and known additives selected from stabilizers, anticaking agents, flavouring agents, sweetening agents, thickening agents and preservatives.

(Provisional specification 08 Pages Drawing NIL Sheet)
(Complete Specification 13 Pages Drawing NIL Sheet)

Ind.Cl : 51 (C) **191841**
 Int.Cl⁷ : A 54 D 8/24
 Title : HAIR CLIP
 Applicant : KABUSHIKI KAISHA YASUDA CORPORATION, OF 14-12
 TSURUHASHI 5-CHOME, IKUNOKU , OSAKASHI, OSAKA, JAPAN.
 Inventor : MASAHIRO YASUDA
 Application no. 2079/CAL/96 FILED ON 02.12.1996

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

7 CLAIMS.

A hair clip comprising :

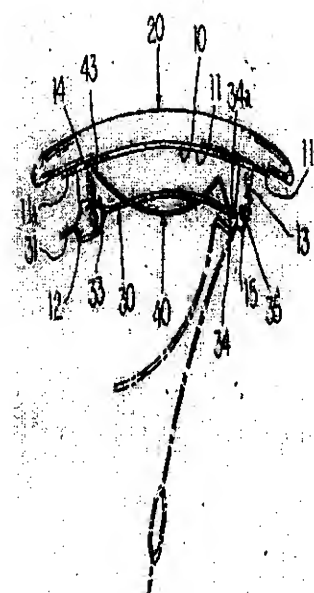
A base plate having at one end portion a pair of hooking arms;

A hair retainer having one end portion rotatably connected to the other end portion of said base plate;

Said hair retainer further having at the other end portion thereof an engaging part releasably latched by said pair of hooking arms;

A spring board having one end portion connected to said one end portion of said hair retainer and the other end portion being a free end;

Said spring board being positioned between said base plate and said hair retainer and curved in the opposite direction to the curve of said hair retainer.



Complete Specifications : 13 pages.

Drawings: 6 sheets

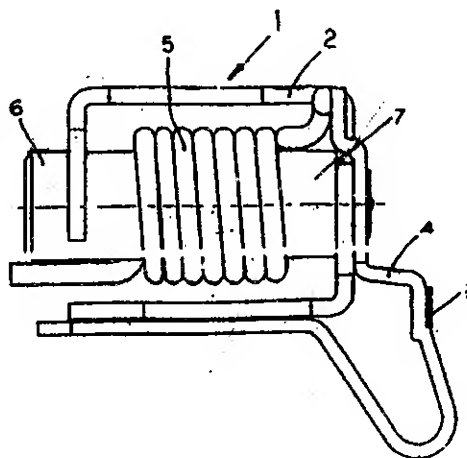
Ind.Cl : 69 B 191842
Int.Cl⁷ : H 01 H 71/24
Title : ARMATURE FOR ACTUATING THE TRIGGER RAM OF MAGNETIC TRIGGERS FOR SAFETY SWITCHES.
Applicant : FELTEN & GUILLEAUME AUSTRIA AG, OF A-3943, SCHREMES-EUGENIA 1, NIEDEROSTERREICH, AUSTRIA
Inventor : ADLOF TETIK
Application no. 172/CAL/97 FILED ON 29.01.1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

12 CLAIMS.

A armature (10) actuating the trigger ram (14) of magnetic triggers (1) for safety switches, which is a metal strip shaped in to a sleeve and which has a stop at one of its ends (11) for entraining the trigger ram (14), characterised in that the edges (20) of the metal strip running parallel to the axis of the armature (10) lie on one another or at least partially on one another and in that the stop for the trigger ram (14) is constituted of at least one tab (12) aligned transversely to the axis of the armature (10) and is designed monobloc with the armature (10).



Complete Specifications : 9 pages.

Drawings: 2 sheets

Ind.Cl : 206 G 191843
 Int.Cl⁷ : G 09 C - 3/02
 Title : AN INFORMATION PROCESSING APPARATUS
 Applicant : HITACHI, LTD, OF 6, KANDA SURUGADAI 4-CHOME, CHIYODA-KU
 TOKYO, JAPAN
 Inventor : 1. HIROSHI YOSHIURA
 2. KAZUO TAKARAGI
 3. MAYUKO SHIMIZU
 Application no. 336/CAL/97 FILED ON 24.02.1997

(CONVENTION NO. 08-040931 FILED ON 28.2.1996 IN JAPAN.)

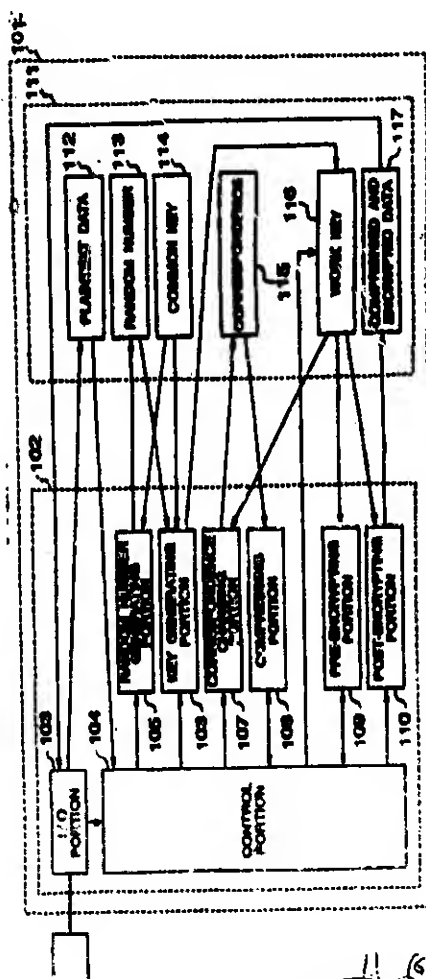
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

6 CLAIMS.

An information processing apparatus (101) comprising

Means (103) for entering or receiving data;
 Means (109, 110) for encrypting said data;
 Means (116) for storing an intermediate result on the encrypting process given by said encrypting means (109, 110);
 Means (104) for entering said stored intermediate result or a value that depends on said intermediate result as a parameter to said encrypting means (109, 110); and
 Means (107) for changing a value stored in said means (116) for storing the intermediate result on the encrypting process into a value that does not depend on the intermediate result on the encrypting process.



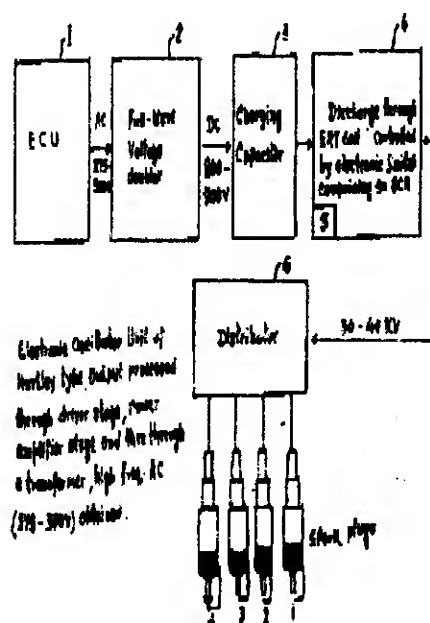
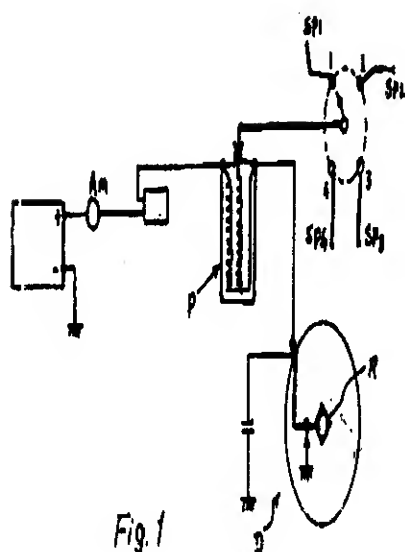
11/6534
 G.P.S. DAVAR

Ind.Cl : 107 F 191844
 Int.Cl⁷ : H 02 P 3/00
 Title : AN ELECTRONIC IGNITION DEVICE FOR CARS
 Applicant : DR. P.K CHAKRABORTY OF ST. XAVIER'S COLLEGE CALCUTTA
 700 016, WEST BENGAL, INDIA
 Inventor : DR. P.K CHAKRABORTY
 Application no. 399/CAL/1997 FILED ON 06.03.1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

5 CLAIMS.



191844

An electronic ignition device for cars comprising an electronic oscillator unit (1) connected in series to a voltage doubler (2), a rectifier (3), a charging capacitor (4) and to a EHT coil (5) controlled by a SCR and finally through a distributor (6) to the spark plugs; characterized in that the electronic control unit (1) connected to a power source (8) comprises a filter (9) for steady 12-14 volt connected to a Hartley oscillator (10) comprising a coil (L), a capacitor (C) and a transistor (Q1) to produce oscillatory AC output for the driver stage (11) comprising a transistor (Q2) for power amplification and the output of which is connected to power stage (12) transistor (Q3) through a driver stage (11) transformer (TR) and connected to power stage (12) transformer (13) for a high AC output across AB and the said output is connected to a full-wave voltage doubler (2) comprising diodes D1 and D2 and capacitor C1, C2 the output of which is connected to a charging capacitor (3) comprising a capacitor (Cg) and ignition coil output of which is connected to extra high tension coil (4) operated by an electronic switch (5) comprising a silicon controlled rectifier.

Complete Specifications : 10 pages.

Drawings: 03 sheets

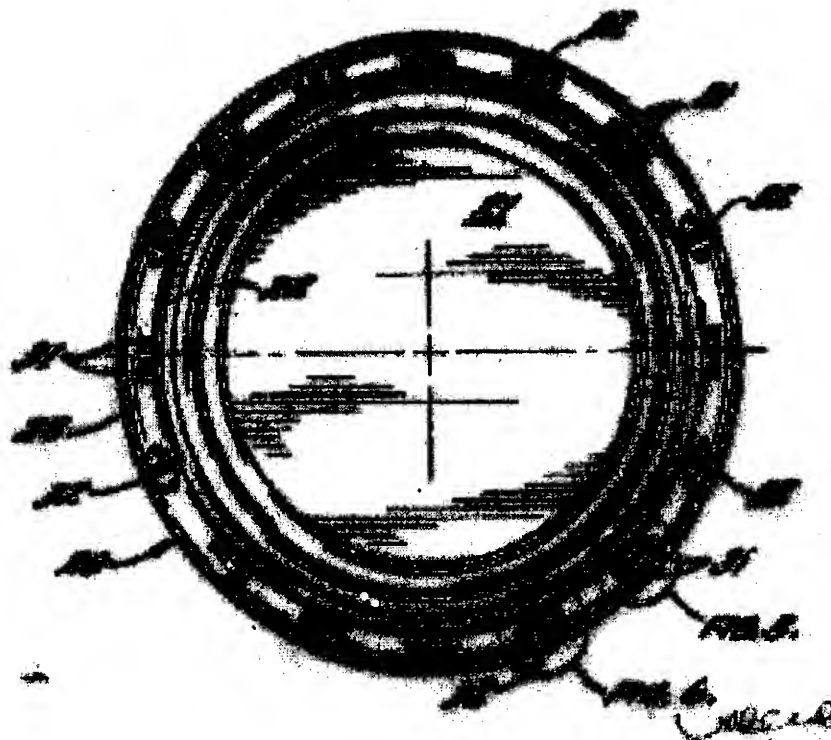
Ind.Cl : 199 G 191845
Int.Cl⁷ : B 65 D 8/20 , B 65 D 8/12
Title : A GENERALLY CIRCULAR END ADAPTED FOR CLOSING AND
SEALING A CYCLINDRICAL CONTAINER
Applicant : SONOCO PRODUCTS COMPANY , OF 1 NORTH SECOND STREET,
HARTSVILLE, SOUTH CAROLINA 29550, U.S.A
Inventor : 1. ELLIS JOHN BACON
2. M. TEDDY WESTPHAL
Application no. 704/CAL/97 FILED ON 23.4.1997

(CONVENTION NO. 8/646,592 FILED ON 08.05.1996 IN UNITED STATES OF AMERICA.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

5 CLAIMS.



191845

A generally circular end (20) adapted for use in closing and sealing an outwardly-flanged open upper end of a cylindrical container (10) with a double seaming operation and adapted for permitting evacuating and back-flushing of gases out of and into the container while said end is in a seated and unseamed position on the container during the closing operation; said end comprising:

a central circular panel (21);

a chuck wall (22) surrounding an outer periphery of said central panel and extending radially outwardly and upwardly from said central panel;

a crown seaming panel (23) surrounding said chuck wall and extending radially outwardly from said chuck wall (22) and having an outer curled end (23A); and

projections (31,32) formed separately in said chuck wall (22) and in said crown seaming panel (23) respectively and extending inwardly and radially of said chuck wall and said crown seaming panel, respectively, and being spaced around said chuck wall (22) and said crown seaming panel (23) alternately and adapted to engage the flanged upper end (11) of the container (10) for forming gas channels (35) between said

respective projections (31,32) and between the flanged upper end (11) of the container and said chuck wall and said crown seaming panel of said end when said end is in a seated and unseamed position on the container during the closing, characterized in that said gas channel-forming projections (31,32) in one of said chuck wall (22) and said crown seaming panel (23) comprise pairs of closely spaced projections (31) and in which said pairs of projections are equally spaced around said end, and in that said gas channel-forming projections in the other of said chuck wall (22) and said crown seaming panel (23) comprise single projections (32) equally spaced around said end.

Complete Specifications: 12 pages.

Drawings: 3 sheets

Ind.Cl : 206 E , 187 D 191846
Int.Cl⁷ : G 08 B - 5/22 , H 04 B - 7/26
Title : A PAGING RECEIVER
Applicant : SAMSUNG ELECTRONICS CO. LTD. OF 416, MAETAN-DONG,
PALDAL-GU, SUWON-CITY, KYUNGKI-DO, KOREA.
Inventor : TAE-GUEN PARK
Application no. 707/CAL/97 FILED ON 23.04.1997
(CONVENTION NO. 32649/1996 FILED ON 05.08.1996 IN KOREA.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

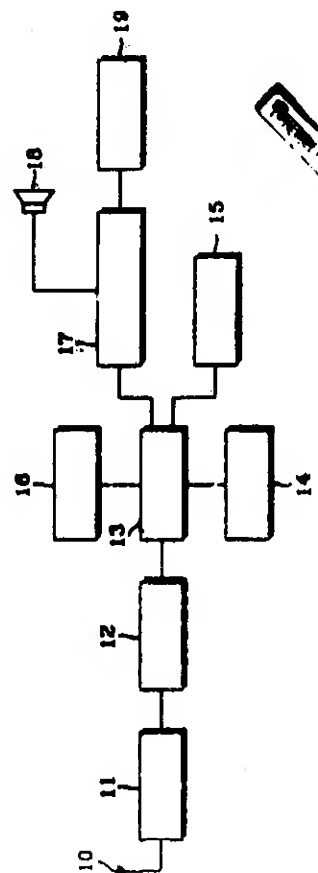
3 CLAIMS.

A paging receiver comprising:

A receiver for receiving a call signal;

A memory for storing the call number of said paging receiver and a special message number; and

A controller for registering , upon receipt of a special message number, a password and the owner's telephone number of the paging receiver as messages by a call; the received password and the owner's telephone number on the memory and for controlling the paging receiver to continuously display the message about the pre-registered owner's telephone number so as to inform a finder that the paging receiver has been missing if the controller confirms that said special message number and a code for informing that the paging receiver has been missing are entered with respect to the received messages.



Complete Specifications : 9 pages.

Drawings: 4 sheets

Ind.Cl : 187 C 191847
 Int.Cl⁷ : H 03 K -17/66
 Title : AN ACTIVATABLE/DEACTIVABLE CIRCUIT ARRANGEMENT
 FOR PRODUCING AN OUTPUT REFERENCE VOLTAGE
 Applicant : SIMENS AKTIENGESELLSCHAFT
 OF WITTELSBACHERPLATZ 2, 80333 MUNCHEN GERMANY
 Inventor : DR. STEPHAN WEBER
 Application no. 951/CAL/97 FILED ON 26.05.1997
 (CONVENTION NO. 19621110.7 FILED ON 24.05.1996 IN GERMANY.)
 APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

9 CLAIMS.

An activatable/deactivatable circuit arrangement for producing an output reference voltage at an output terminal, the circuit being provided with a reference potential (M) and a supply potential, comprising:

A first transistor (T1) whose emitter is connected with the reference potential and whose base and collector are connected with one another,

A second transistor (T2) whose base is connected with the base of said first transistor,

A first resistor (R1) connected between the collector of said first transistor (T1) and an output terminal (U) for supplying the output reference voltage,

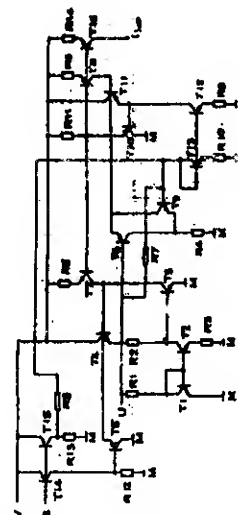
A second resistor (R2) connected between the collector of said second transistor (T2) and said output terminal (U)

A third resistor (R3) connected between the emitter of said second transistor (T2) and the reference potential (M),

A third transistor (T3) whose base is connected with the collector of said second transistor (T2) and whose emitter is connected with the reference potential (M),

A controlled current source (T4) connected between the supply potential (V) and the output terminal (U) and having an input coupled with the collector of said third transistor (T3),

A fifth transistor (T5) having a collector-emitter path connected in parallel with the collector-emitter path of said third transistor (T3) and a base of said fifth transistor (T5) being driven by a switching signal (S).



Complete Specifications : 17 pages.

Drawings: 1 sheets

Ind.CI : 32 (C) 191848
 Int.Cl⁷ : B 29 C 55/04 ; G 02 B 1/00
 Title : A LIGHT POLARIZER COMPRISING A MOLECULARLY ORIENTED SHEET OF POLYVINYL ALCOHOL/POLYVINYLENE BLOCK COPOLYMER MATERIAL AND METHOD FOR MAKING THEREOF
 Applicant : 3M INNOVATIVE PROPERTIES COMPANY, of 3M CENTER, PO BOX 33427, SAINT PAUL, MINNESOTA-55133-3427, U.S.A
 Inventor : 1. GIORGIO B. TRAPANI.
 2. NARENDRA S. KADABA.
 3. JOHN J CAEL.
 4. STEWART BENNETT

Application no. I041/CAL/1997 FILED ON 04.06.1997
 APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)
 PATENT OFFICE KOLKATA.

12 CLAIMS.

A light polarizer in the form of a molecularly oriented sheet made out of polyvinylalcohol/polyvinylene block copolymer material having the polyvinylene blocks thereof formed by molecular dehydration of a sheet of polyvinylalcohol;

said molecularly oriented sheet of polyvinylalcohol/polyvinylene block copolymer material comprising a substantially uniform distribution of light-polarizing molecules of polyvinylalcohol/polyvinylene block copolymer material varying in the length, n , of the conjugated repeating vinylene unit of the polyvinylene block of the copolymer throughout the range of from 2 to 24;

the degree of orientation of said light-polarizing molecules, as measured by the spectral dichroic ratio, R_D , of said blocks, increasing throughout said range with increasing length, n , of said polyvinylene blocks;

the concentration of each of said polyvinylene blocks, as determined by the absorption of wavelengths from 200 to 700 nm by said blocks, being such that said absorption-determined concentration of each of said polyvinylene blocks in the range of $n=19$ to 24 is not less than approximately 70% of the absorption-

Determined concentration of any said polyvinylene blocks in the range of $n = 14$ or 15;

Said light polarizer sheet exhibiting a photopic dichroic ratio, R_d , of at least approximately

45.

Complete Specifications : 28 pages.

Drawings: 4 sheets

Ind.Cl : 65 A 191849
 Int.Cl⁷ : G 05 F 1/02
 Title : AN APPARATUS FOR DETECTING ARCING FAULT IN AN AC
 ELETRICAL SYSTEM
 Applicant : EATON CORPORATION OF 1111 SUPERIOR AVENUE,
 CLEVELAND, OHIO 44114-2584, UNITED STATES OF AMERICA
 Inventor : 1. JOSEPH C. ZUERCHER.
 2. RAYMOND W. MACKENZIE
 3. STEVEN C. SCHMAIZ
 Application no. 1050/CAL/1997 FILED ON 05.06.1997
 (CONVENTION NO. 661, 278 FILED ON 10.06.1996 IN U.S.A.)
 APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

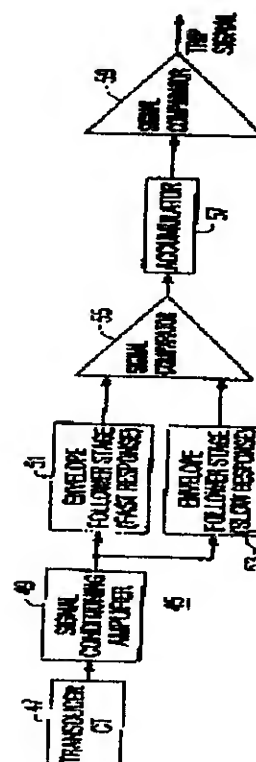
PATENT OFFICE KOLKATA.

12 CLAIMS.

An apparatus (45; 61;192) for detecting arcing faults in an ac electrical system , said apparatus comprising:

Current sensing means (47,49 ; 63,69) generating a current signal representative of current flowing in said ac electrical system;

Tracking means (51,53 ; 147, 149, 151 ; 195) tracking an envelope said current signal; and response means (55, 57, 59; 193, 111, 133) generating an output signal indicating an arcing fault in said ac electrical system in response to randomness in said envelope of said current signal.



Complete Specifications : 17 pages.

Drawings: 4 sheets

Ind.Cl : 64 B 3 191850
 Int.Cl⁷ : H 01 R 17/04
 Title : A CONNECTOR FOR A COAXIAL CABLE.
 Applicant : MITSUBISHI CABLE INDUSTRIES, LTD, OF 8, NISHINOCHO,
 HIGASHIMUMAIJIMA, AMAGASAKI-SHI, HYOGO-KEN 660
 JAPAN
 Inventor : 1. NOBUYOSHI MATSUDA
 2. TAKAYOSHI KANDA
 Application no. 1114/cal/1997 FILED ON 12.6.1997
 (CONVENTION NOS. 8-161893 FILED ON 21.06.1996 AND 9-028674 FILED ON 13.2.96 IN
 JAPAN.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

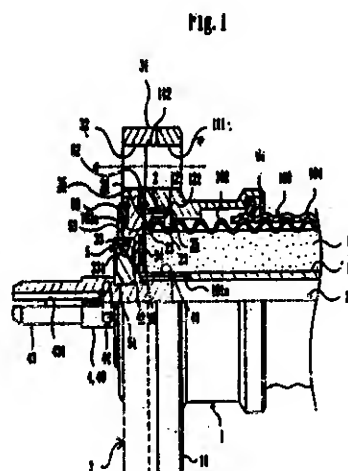
10 CLAIMS.

A connector a coaxial cable (100) with an internal conductor (101) and an external conductor (102), the external conductor (102) having a corrugated outer surface, the connector comprising:

A connector main body (1) constituted by a cylindrical body having a first inner hole, one end of the coaxial cable (100) being secured within the first inner hole, the connector main body, (1) being electrically connected to the external conductor (102) of the coaxial cable (100);

A contact spacer (3) constituted by a doughnut plate-shaped body having a second inner hole with a smaller diameter than that of the first inner hole, the doughnut plate-shaped body being in contact with the external conductor (102) at said one end of the coaxial cable (100), the contact space (3) being electrically connected to the external conductor (102); and

A central contact (4) constituted by a bar-shaped body (40) said central contact (4) being insulated from the connector main body (1) and the contact spacer (3), one end of the bar shaped body (40) protruding outwards from the second inner hole of the contact spacer (3) in the axis (X) direction of the coaxial cable (100), the other end of the bar-shaped body (40) being in contact with the internal conductor (101) at said one end of the coaxial cable (100), and the central contact (4) being electrically connected to the internal conductor (101).



Complete Specifications : 32 pages.

Drawings: 6 sheets

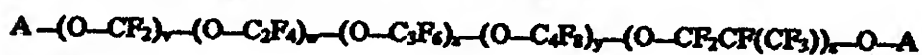
Ind.Cl : 140 A 1 191851
 Int.Cl⁷ : C 10 M 169/00 C 10M 115/08
 Title : A PROCESS FOR THE PREPARATION OF LUBRICATING GREASE
 COMPOSITION
 Applicant : KLUBER LUBRICATION MUNCHEN KG, OF GEISENHAUSENERSTRASSE
 7, D-81379, MUNCHEN, GERMANY.
 Inventor : 1. DR. DIRK LODERER
 2. HERBERT KARDINAL
 Application no. 1237/CAL/1997 FILED ON 27.6.1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

4 CLAIMS.

A process for preparing a lubricating grease composition comprising thickening a hydrocarbon-based oil, which is an ester of an aromatic tri- of tetracarboxylic acid, with one or more C₇ to C₂₂ alcohols, a polyphenyl ether or alkylated polyphenyl ether, an ester of trimethylolpropane, pentaerythritol or dipentaerythritol with an aliphatic C₇ to C₂₂ carboxylic acids, C₁₂ dimer acid ester with C₇ to C₂₂ alcohols, or complex esters, as an individual component or as a mixture, with a dicarbamide that is the reaction product of a di-isocyanate and an amine of the general formula (H₂N)_xR, whereby R is an alkyl radical with 6 to 22 carbon atoms or an aryl radical with 6 to 12 carbon atoms and x is 1; mixing the thickened hydrocarbon-based oil with a pefluoro-polyalkyl ether oil of the formula



in which

A' is -CF₃-C₂F₅-C₃F₇ or -CF₂T, where T is H or Cl,

A'' is A' or -CF₃-C₂F₅-C₃F₇ or -CF₂T, where T is H or Cl, and

v, w, x, y and z are whole numbers ≥ 0; and homogenizing the resultant mixture with a high pressure homogenizer and/or a three-roller mill.

Complete Specifications : 16 pages.

Drawings: NIL

Ind.Cl : 32 B 191852
 Int.Cl⁷ : C 07 C 33/042
 Title : A PROCESS FOR THE ACYLATION OF TERMINAL ALKYNES.
 Applicant : INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE OF
 JADAVPUR, CALCUTTA 700032, WEST BENGAL, INDIA
 Inventor : 1. NITYA G. KUNDU
 2. CHINMAY CHOUDHURY
 Application no. 1044/CAL/96 FILED ON 06.06.1996

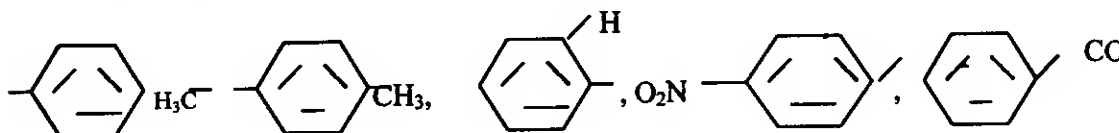
COMPLETE AFTER PROVISIONAL FILED 05.06.1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

4 CLAIMS.

A process for the synthesis of conjugated acetylenic ketones of the formula $R-C \equiv C \begin{smallmatrix} | \\ O \\ | \end{smallmatrix} -R_1$, wherein R and R₁ are same or different and are selected from Acryl and alkyne radicals such as



Which comprises, reacting a terminal alkyne of the formula $R-C \equiv CH$ where in R is an defined before

with acylhalide of the formula $R-C \begin{smallmatrix} | \\ O \\ | \end{smallmatrix} -R_1$ where R₁ is the same as defined before, characterised in that the reaction carried out in the presence of copper metal catalyst, at room temperature, under stirring, in an inert atmosphere, preferably in an atmosphere of argon and in the presence of organic medium preferably triethylamine, whereafter the reaction product is recovered by the removal of the organic solvent washed with methanol followed by column chromatography using silica gel and EtOAc in CHCl₃ as eluent.

Complete Specifications : 04 pages.

Drawings: NIL

Ind.Cl : 66 D 7 191853
 Int.Cl⁷ : H 01 K 5/02
 Title : AN ELECTRIC INCANDESCENT LAMP.
 Applicant : KONINKLIJKE PHILIPS ELECTRONICS N.V. OF
 GROENEWOUDSEWEG 1, 5621 BA ENDHOVEN, THE NETHERLAND
 Inventor : JEAN ALAIN PIERRE MICHEL
 Application no. 1569/CAL/96 FILED ON 03.09.1996

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

9 CLAIMS.

1. An electric incandescent lamp comprising:

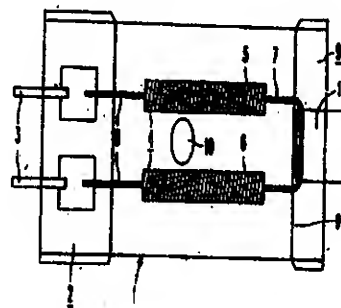
a tubular sealed glass envelope (1) having a pinch seal (2) through which current conductors (3) extend to the outside;

a tungsten filament (4) having a first (5) and a second coiled portion (6) accommodated within the envelope, said first and second portions being arranged one laterally of the other and being interconnected by an intermediate non-lightemitting conductor (7),

the filament (4) having end conductors (8) which are connected to said current conductors (3),

the filament (4) being supported in the envelope (1) by a portion of the envelope (1) by which said intermediate conductor (7) is fixed,

characterized in that the envelope (1) has a second pinch seal (9) opposite to the pinch seal (2) through which the current conductors (3) extend, in an inner longitudinal portion (9a) of which second pinch seal (9) the intermediate conductor (7) is embedded and fixed.



Complete Specifications : 10 pages.

Drawings: 2 sheets

Ind.Cl : 150 G 191854
Int.Cl⁷ : F 16 L 15/00 25/00
Title : THREADED JOINT FOR TUBES
Applicant : ALLOUREC MANNESMANN OIL & GAS FRANLE OF 54
RUE ANATOLE FRANCE
SUMITOMO METAL INDUSTRIES, OF 5-33 KITAHAMA 4-CHOME-
CHUO-KU, OSAKA-SHI, JAPAN
Inventor : 1. ALAIN LANCERY.
2. MICHIIHIKO IWAMOTO

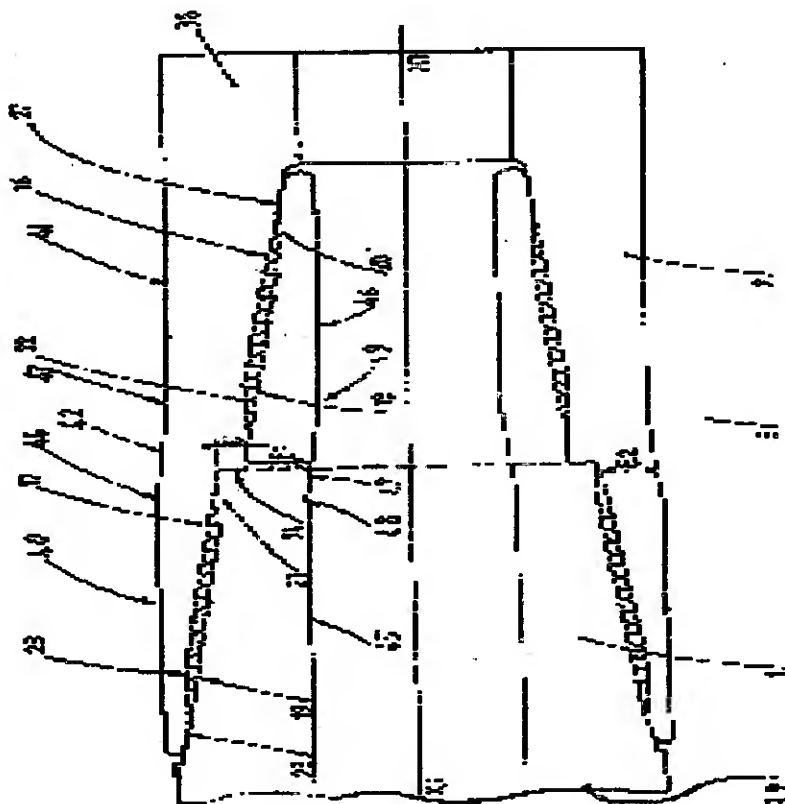
Application no. 1625/CAL/96 FILED ON 03.10.1995

(CONVENTION NO. 08/538, 436 FILED ON 11.09.1996 IN U.S.A.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

14 CLAIMS.



A threaded joint for tubes, comprising:

a male element (1) having external threading comprising two radially shifted frustoconical sections of threadings (4,5) having load flanks (30) with a negative angle (4) said two frustoconical sections of said external threading (4,5) being separated by a first ring-shaped abutment surface (24-1), said male element having at opposite axial ends thereof external surfaces forming tightness surfaces, each of said two frustoconical sections of said external threading (4,5) having vanishing threads at opposite ends thereof, and

- a female element (2) having internal threading comprising two radially shifted frustoconical sections of threadings (6,7) having load flanks with a negative angle, said two frustoconical sections of said internal threading (6,7) being separated by a second ring-shaped abutment surface (24-2), said female element having at opposite axial ends thereof internal surfaces forming tightness surfaces, each of said two frustoconical sections of said internal threading (6,7) having vanishing threads at opposite ends thereof, wherein said male and female elements (1,2) are mutually configured such that said male and female elements may be united by threading said external and internal threadings (4,5,6,7) until said first and second abutment surfaces (24-1,24-2) abut one another, characterized in that

- a) crests and roots of each of said vanishing threads are radially limited by a convergence of a frustoconical surfaces (16,17,18,19) of one of said male and female elements and a cylindrical surfaces (20,21,22,23) of the other of said male and female elements,
- b) the abutting first and second abutting surfaces form a central abutment (24) and
- c) the tightness surfaces of said male and female elements mate in pairs to form two fluid tight seal surfaces (27,28) having ring shaped contact zones.

Complete Specifications : 22 pages.

Drawings: 3 sheets

Ind.Cl : 50 F 191855
 Int.Cl⁷ : F 25 D 17/00
 Title : LOAD SENSITIVE RAPID COOLING APPARATUS FOR A REFRIGERATOR
 Applicant : LG ELECTRONICS INC, OF 20 YOIDO-DONG, YONGDUNGPO-KU
 SEOUL, REPUBLIC OF KOREA
 Inventor : KYUNG HEO KIL
 Application no. 1704/CAL/1996 FILED ON 26.09.1996
 (CONVENTION NO. 35 -387/1995 FILED ON 13.10.1995 IN REPUBLIC OF KOREA)
 APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

7 CLAIMS.

A load sensitive rapid cooling apparatus for a refrigerator having a cooling compartment (5) provided with side walls and a rear wall to which cooling air is supplied said apparatus comprising:

A base plate (21) fixed in an upper portion of the rear wall of the cooling compartment (5) and having a vent opening (21) in a middle thereof;

A plurality of vanes (22) pivotably mounted to the base plate (21) to thereby direct cooling air from the vent opening (21')

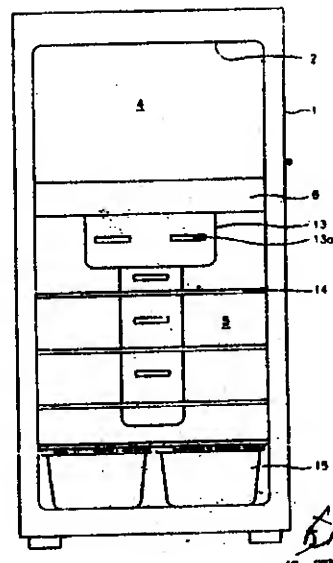
A slide lever (23) connected to the plurality of vanes (22) for pivoting the vanes (22) to the left and right;

A motor (24) for horizontally moving the slide lever (23);

A limit switch (25) provided adjacent to an end of the slide lever (23) for controlling operation of the motor (24) and controlling the pivoting the vanes (22);

A cover (26) having a plurality of slots (26a) therein for passing the cooling air and being mounted to the base plate (21); and

A pair of temperature sensors (27) (28) fixed on each side wall of the cooling compartment (5) for detecting a temperature variation in the cooling compartment (5) and connected to said motor (24).



Complete Specifications : 13 pages.

Drawings: 9 sheets

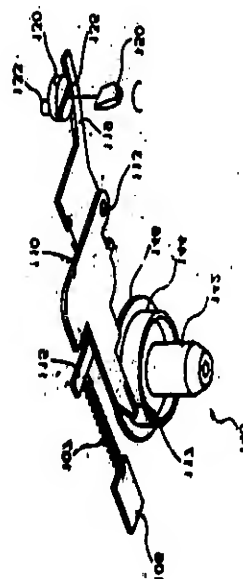
Ind.Cl : 148 H 191856
 Int.Cl⁷ : G 11 B 15/43
 Title : VCR HAVING A REEL GEAR BRAKE DEVICE
 Applicant : DAEWOO ELECTRONICS CORPORATION, OF 686, AHYEON-DONG,
 MAPO-GU, SEOUL, KOREA
 Inventor : SEONG IEK
 Application no. 1714/CAL/1996 FILED ON 27.09.1996
 (CONVENTION NO. 95-33453 FILED ON 30.9.1995 IN KOREA.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

5 CLAIMS.

A VCR having a reel gear brake device comprising:
 a reel gear (140) formed with a friction plane (144) along a circumferential plane thereof;
 a brake member (110) capable of swinging about a hinge shaft (113) toward said friction plane (144) at a predetermined angle in a clockwise direction;
 an elastic member (107) extending between one end of said brake member (110) and a brake operating part (106);
 an elastic beam (119) which is formed by partially projecting said brake member (110), for exercising an elastic force in a rotating direction of releasing said brake member (110); and
 a control cam (130) which is eccentrically mounted on a cam shaft (133) and of which a peripheral surface comes in close contact with said elastic beam (119), for adjusting the elastic force of the elastic beam (119) to urge and rotate said elastic beam (119) in a counter-clockwise direction, so that a tensile force of the elastic member (107) is larger than the elastic force of the elastic beam (119) when the brake member (110) applies a braking force to the reel gear (140) while the tensile force of the elastic member (107) is smaller than the elastic force of the elastic beam (119) when the brake member (110) releases the braking force from the reel gear (140).



Complete Specifications : 14 pages,

Drawings: 4 sheets

Ind.Cl : 271, 98F 191857
Int.Cl⁷ : E 04 B 7/22 7/10; 7/12
Title : INSULATING SYSTEM COMPRISING A FIRST OUTSIDE MEMBER
AND A SECOND INSIDE MEMBER.
Applicant : SEKISUI KAGAKU KOGYO KABUSHIKI KAISHA, OF 4-4
NISHITEMMA 2-CHOME, KITA-KU, OSAKA-SHI, OSAKA 530, JAPAN
Inventor : 1. SEISHO HASEGAWA
2. HISASHI NAKAJIMA
3. YUKIO ISHIGAKI.
4. YASUHIKO TSUGE.
5. TAKUYA YAMAMOTO

Application no. 1817/CAL/1996 FILED ON 14.10.1996

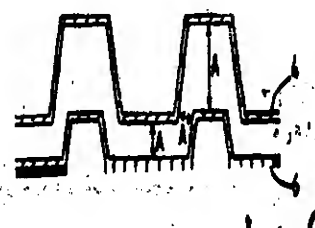
(CONVENTION NOS. 7-285979 & 7-285980 FILED ON 02.11.1995 IN JAPAN.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

4 CLAIMS.

An insulating system comprising a first outside member and a second inside member with a predetermined space there between wherein the outside member has laminating insulators on one side of an outside support member, and the inside member has laminating insulators at least on one side of an inside support member, being disposed through a support piece so that the insulators laminated on the outside support member may come inward, characterized in that the space formed by the outside member and inside member is closed or opened, and the interval of the closed space is 10 to 130 mm or the interval of the opened space is 10 to 150 mm.



Complete Specifications : 17 pages.

Drawings: 4 sheets

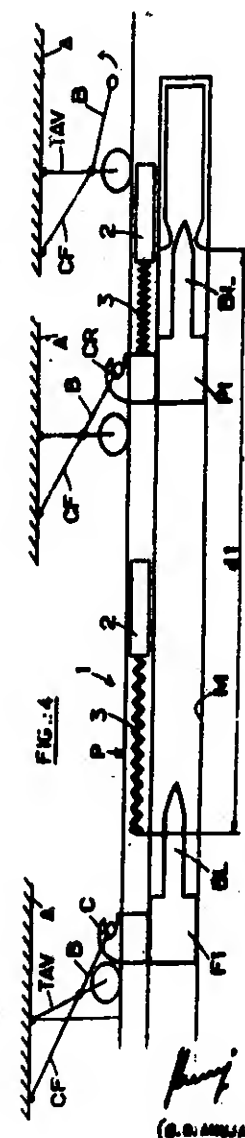
Ind.Cl : 4A 1, 166 A 191858
 Int.Cl⁷ : B 64 F 1/06
 Title : TEMPORARY TOWING DEVICE, IN PARTICULAR FOR A
 CATAPULTING DEVICE ON BOARD OF AN AIRCRAFT CARRIER
 Applicant : DASSAULT AVIATION, OF 9, ROND-POINT DES CHAMPS-
 ELYSEES MARCEL DASSAULT, 75008, PARIS, FRANCE
 Inventor : PHILIPPE PERRIER
 Application no. 1830/CAL/96 FILED ON 16.10.1996
 (CONVENTION NO. 95 12231 FILED ON 18.10.1995 IN FRANCE.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

20 CLAIMS.

A temporary towing device intended to impart momentarily a very high acceleration to a mobile mass (A, TAV, CF), and, in particular, for a catapulting device on board of an aircraft carrier, said device comprising a guidance device (8, 9), a carriage (7) mounted so that it can slide freely with respect to the guidance device (8, 9), a motive device (4a, 4b, 5) for imparting a movement of high acceleration to said carriage (7) along the guidance device (8, 9) in a direction running in the direction of high momentary acceleration of said mass (A, TAV, CF), and coupling means (8) for allowing said mass (A, TAV, CF) and said carriage (7) to be secured together temporarily as they are accelerated, said towing device also having a braking device (13) for braking said carriage (7) at the end of the acceleration of the said mass and for breaking the connection between it and said mass (A, TAV, CF), the latter being composed of elements (TAV, CF) joined together elastically and capable of being displaced with respect to one another under the effect of the towing force (EC), characterised in that said device also comprises a device (1) for modulating the towing force (EC), said device being suitable for bringing the elements (TAV, CF) of said mass (A, TAV, CF) substantially to the state of rest with respect to one another when said mass (A, TAV, CF) is disconnected from said carriage (7).



Complete Specifications : 19 pages.

Drawings: 6 sheets

Ind.Cl : 50 E 3 191859
 Int.Cl⁷ : F 25 B 41/00
 Title : REFRIGERANT CIRCULATION APPARATUS UTILIZING A PLURALITY OF EVAPORATORS OPERATING AT DIFFERENT EVAPORATING TEMPERATURES.
 Applicant : LG ELECTRONICS INC, OF 20, YOIDO-DONG, YONGDUNGPO-KU, SEOUL, REPUBLIC OF KOREA
 Inventor : 1. MYUNG RYUL LEE
 2. GYE YOUNG SONG.
 Application no. 1939/CAL/1996 FILED ON 06.11.1996
 (CONVENTION NO. 41156/1995 FILED ON 14.11.1995 IN KOREA.)
 APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

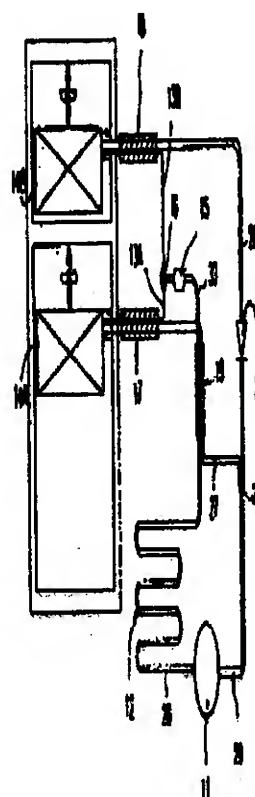
6 CLAIMS.

A refrigerant circulation apparatus provided with a plurality of evaporators having different respective evaporating temperatures, said apparatus comprising :

- a compressor (11);
- a condenser (12);
- a plurality of evaporators (14A, 14B) having respectively different evaporating temperatures ;

a plurality of refrigerant pipes for guiding a refrigerant discharged from the condenser (12) to a plurality of evaporators (14A, 14B); and

a heat exchanging means (17, 18) for guiding the refrigerant discharged from the plurality of evaporators (14A, 14B) to the compressor (11), having a plurality of refrigerant pipes, which are in contact with plurality of refrigerant pipes guiding the refrigerant from the condenser (12) to the evaporators (14A, 14B) and performing a heat exchange at contact portions thereof between high temperature refrigerant discharged from the condenser (12) and low temperature refrigerant discharged from the evaporators.



Complete Specifications : 15 pages.

Drawings: 2 sheets

Ind.Cl : 107 B, G & H 191860
 Int.Cl⁷ : F 02 M, 63/02 67/02
 Title : A FUEL SUPPLY DEVICE FOR INTERNAL COMBUSTION ENGINE
 Applicant : HITACHI, LTD, OF 6, KANDA, SURUGADAI 4-CHOME, CHIYODA-KU
 TOKYO, 101, JAPAN
 SUZUKI MOTOR CORPORATION, OF 309 TAKATSUKA-CHO,
 HAMAMATSU-SHI, SHIZUOKA 432, JAPAN
 Inventor : 1. MASAMI NAGANO.
 2. MAMORU NEMOTO.
 3. YOSHIYUKI TANABE.
 4. TOKUJI ISHIDA.
 5. TSUTOMU AKIYAMA.

Application no. 2023/CAL/1996 FILED ON 22.11.1996

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

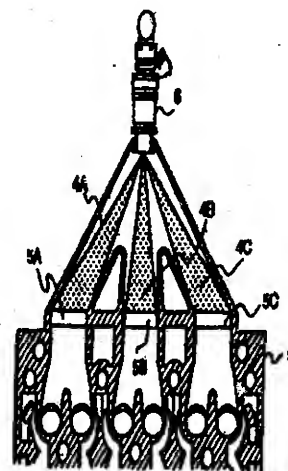
PATENT OFFICE KOLKATA.

9 CLAIMS.

A fuel supply device for an internal combustion engine comprising a throttle assembly (2) having a throttle controlling the flow rate of intake air, an intake passage (4) connected to said throttle assembly, the exit side of the intake passage being connected to each of cylinders of the engine (5) to branch and supply air to each of the cylinders and a fuel injecting valve (6) attached to said intake passage (4), wherein

said fuel injecting valve is provided with at least one orifice (65a, 65b, 65c) capable of injecting fuel in a plurality of directions; and

said intake passage comprises an intake manifold common portion (40) and a plurality of intake manifold branch portions 4A, 4B, 4C) branched and extended to each of the cylinders of the engine, each of said intake manifold branch portions being extended substantially straight from a mounting position of said fuel injecting valve in the common portion to an intake port (5A, 5B, 5C) of each of the cylinders of said engine.



Complete Specifications : 25 pages.

Drawings: 10 sheets

Ind. Cl.

63 I

191861

Int Cl⁴ :

H 02 P 7/00

H 02 P 6/00

"A CONTROL SYSTEM FOR A SWITCHED RELUCTANCE MACHINE"

APPLICANT(S) :

SWITCHED RELUCTANCE DRIVES LIMITED
 SPRINGFIELD HOUSE
 HYDE TERRACE, LEEDS LS2 9LN
 ENGLAND
 A BRITISH COMPANY

INVENTOR(S) :

1. DAVIO MARK SUGDEN

APPLICATION NO. :

491 MAS 96

filed on 26-Mar-96

CONVENTION NO. :

No:9506354.1

on 28th Mar 1995, GREAT BRITAIN

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
 (RULE 4, PATENTS RULES 2003) PATENT OFFICE, CHENNAI BRANCH.

9 CLAIMS

A control system for a switched reluctance machine, the machine comprising a rotor (20), a stator (21) and at least one phase winding (23), the said control system comprising: a rotor position encoder (50, 51a, 51b, 51c, 52a, 52b) operable to generate output signals indicative of the position of the rotor relative to the stator; a frequency multiplier (44) comprising: an increment detector (60:64) arranged to receive first and second output signals (42a; 42b) from the encoder, the increment detector being operable to generate a series of clock pulses, each clock pulse being defined by a change in state of the first output signals; a counter (61) having a reset input (R) arranged to receive the series of clock pulses, the counter being resettable in response to each pulse generated by the increment detector, the counter having a clock input coupled to a system clock, the counter being operable to provide an output (C) that varies in proportion to the frequency of the series of clock pulses from the increment detector; and a programmable divider (62) coupled to receive the output of the counter and the system clock, the programmable divider being operable to provide at its output a clock signal (HFCLOCK), having a frequency proportional to the frequency of the second output signals and a fraction of the frequency of the system clock, wherein the relationship of the frequency of the clock signal to the frequency of the system clock is controlled by the output of the counter; and angle control means (46) responsive to the clock signal and first output signals (42a) from the encoder to generate switching signals for controlling the energisation of at least one phase winding.

COMP. SPECN: 27 PAGES DRAWING: 8 SHEETS

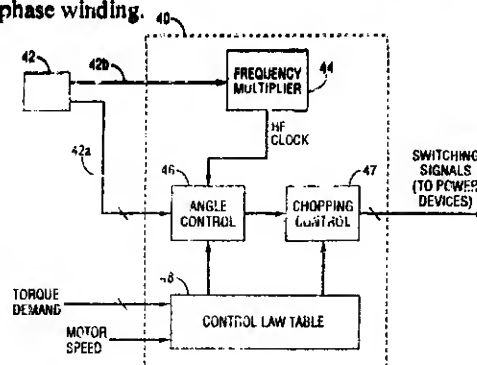


FIG. 4

Ind. Cl. : 206 E 191862
 Int Cl⁴ : H 04 L 27/04, 27/12, 27/20

"A FIELD MOUNTED TRANSMITTER FOR USE IN A
 TWO-WIRE PROCESS CONTROL LOOP"

APPLICANT(S) : ROSEMOUNT INC.
 12001 TECHNOLOGY DRIVE
 EDEN PRAIRIE MINNESOTA 55344
 USA
 A US COMPANY

INVENTOR(S) : 1. KEVIN D VOEGELE;
 2. TODD A PIECHOWSKI.

APPLICATION NO 700 MAS 95 Filed on 9-Jun-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
 (RULE 4 , PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

10 CLAIMS

A field mounted transmitter for use in a two-wire process control loop, comprising: a sensor (12) which senses a process variable; measurement circuitry (18) which transmits signal over the control loop (16a/16b) indicative of a value of the process variable; power supply circuitry (20) which receives a loop current from the control loop (16a/16b) and provides an energizing current (28) to the measurement circuitry (18), comprising: an inductive element (70) coupled to the measurement circuitry (18); and a switch (64) selectively coupling the inductive element (70) to the control loop (16a/16b); a first capacitor (62) for storing charge; modulation circuitry (40,36)-coupled to the measurement circuitry (18) and the control loop (16a/16b) which responsively controls current through the loop (16a/16b); and startup circuitry (50) coupled to the modulation circuitry (40, 36) which controls the modulation circuitry (40, 36) to cause an increase in loop current during a startup condition whereby the first capacitor (62) in the power supply circuit (20) is charged.

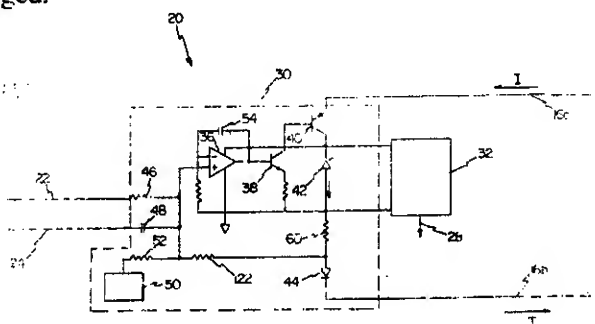


Fig 2

COMP.SPECN: 15 PAGES DRAWING: 4 SHEETS.

Ind. Cl. : 40 E 191863

Int Cl⁴ : US B 01 D 15/08

"A PROCESS FOR SEPARATING A FEED CONTAINING AT LEAST TWO CONSTITUENTS OF ISOMERS OF AROMATIC HYDROCARBONS CONTAINING EIGHT CARBON ATOMS IN A SIMULATED MOBILE BED CHROMATOGRAPHIC SEPARATOR"

APPLICANT(S) : INSTITUT FRANCAIS DU PETROLE
A FRENCH COMPANY
4, AVENUE DE BOIS PREAU
92506 RUEIL MALMAISON
FRANCE
(A FRENCH COMPANY)

INVENTOR(S) : 1. HOTIER GERARD;
2. COHEN CHOUA;
3. COUENNE NICOLAS;
4. NICQUD ROGER-MARC.

APPLICATION NO : 739 MAS 95 FILED ON 19 June-1995.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4, PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

5 CLAIMS

A process for separating a feed containing at least two constituents of isomers of aromatic hydrocarbons containing eight carbon atoms in a simulated mobile bed chromatographic separator in the presence of at least one eluent (S), said mobile bed having at least 4 to 24 chromatographic columns or column sections mounted in series and in closed circuit, through which a liquid, supercritical or gaseous mixture circulates under pressure, said circuit having at least one feed injection stream, at least one extract extraction stream (EA) and at least one raffinate extraction stream (RB), said columns having at least four zones each zone being separated from the following zone by an injection or extraction streams, which are being periodically shifted, at least one recycling pump or compressor (P), with flow regulators provided between two successive columns or column sections, optionally provided with at least one sampling or measuring means, and at least one pressure regulated recycling pump, said measuring and sampling means, being located between consecutive columns or column section, said pump and measuring or sampling means each having a dead volume in the recycling circuit to cause perturbations in the extract and in the raffinate composition, wherein said feed containing at least two constituents is circulated in a volume of the section immediately upstream of said dead volume which is reduced by an appropriate value when the dead volume is located downstream of said section and upstream of the extraction streams of

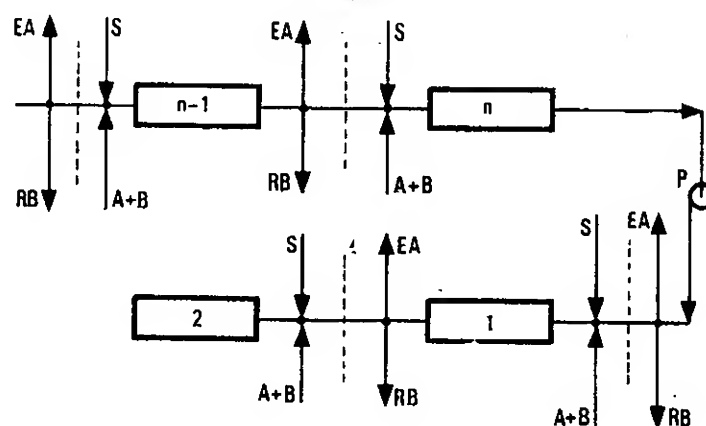
said section, or the volume of the section immediately downstream of said dead volume is reduced by a compensating value when said dead volume is located downstream of the injection streams into said section and upstream of said section and collecting the separated fraction from the extraction stream and the raffinate stream, the volume of each section immediately upstream or immediately downstream of each dead volume v_j of the circuit is reduced in accordance with the relationship

$$V'_j = V - v_j/\epsilon$$

where V represents the individual void volume of a section and its connection to the following section, V' represents the individual void volume of a section with reduced volume in accordance with the invention and its connection to the following section, V_j represents the dead volume(s) whose effects are to be corrected, ϵ represents a coefficient between ϵ_b and 1, where ϵ_b is expressed as the volume fraction of a column or column section and represents the total of the intergrain and grain porosities in said column or column section.

3/4

FIG.3



COMP. SPECN: 26 PAGES; DRAWING: 4 SHEETS.

REFERENCE CITED: EP-A-0415821; WO-A-8402584; WO-A-9006796; US-A-2985589
US-A-4402832; US-A-4498991; US-A-5093004; WO-93/22022; FR-94/05293.

Ind.Cl.:69A.

191864

Int.Cl⁴:H01H 71/00; H01H 77/00

" AN ELECTROMAGENETIC PROPELLER
FOR A LOW VOLTAGE CIRCUIT BREAKER."

Applicant: SCHNEIDER ELECTRIC SA
40, AVENUE ANDRE MORIZET
F 92100 BOULOGNE BILLANCOURT
A FRENCH COMPANY
FRANCE.

Inventors: 1. JEAN-YVES AMBLARD; 4. DANIEL DUFRENE;
2. PHILIPPE DELCAMBRE; 5. ALAIN MENIER.
3. PASCAL HANNEQUI;

Application No 831/MAS/95 filed on 05-JUL-95

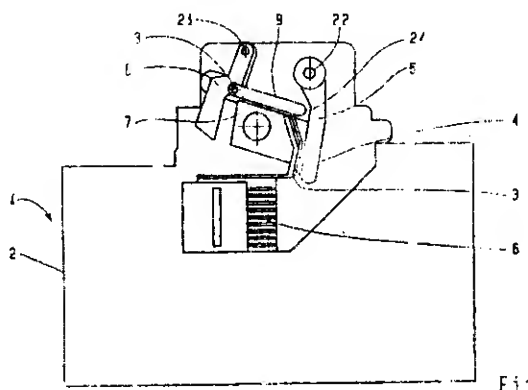
Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)
Patent Office, Chennai Branch.

3 Claims

An electromagnetic propeller for a low voltage circuit breaker, comprising; an electromagnetic body (7) having a core (10) surrounded by an excitation coil and two parallel flanks (11,12) conducting the magnetic flux and each presenting opposite first (13,15) and second (14,16) ends; a blade (8) pivotally mounted around an articulation (21) capable of occupying a rest position in which it is separated from said first ends of the two flanks and an actuation position in which it is magnetically attracted into contact with said first ends of the two flanks; a stationary contact (3) situated in or near to an air-gap formed between said second ends (14,16) of the two flanks (11,12); a movable contact support arm (5) pivotally mounted around an articulation (22) so as to move in the air-gap moving the movable contact (4) joined thereto between said rest position in which the movable contact (4) is in contact with the stationary contact (3) and said actuation

position in which the movable contact is separated from the stationary contact; and a striker (9) formed by an elongate part interposed between the blade (8) and the movable contact support arm (5), wherein the articulation (21) of the blade (8) and the articulation (22) of the movable contact arm (5) are located on the same side with respect to the electromagnetic body (7) and wherein the striker (9) is joined to the blade (8) at a connecting point (23) situated in an intermediate zone between the articulation (21) of the blade (8) and an opposite end zone (26) of the blade (8) at the level of which it is magnetically attractable towards said first ends (13,15) of the two flanks.

Reference to : DE-A-942455
EP-A-0410257



Comp.Specn.14 Pages; Drgs6 Sheets.

Ind.Cl.:6B1

191865

Int.Cl⁴:F25J 3 / 04

" A METHOD OF PRODUCING ARGON
FROM AIR AND AN APPARATUS THEREOF".

Applicant: THE BOC GROUP PLC
of Chertsey Road, Windlesham,
Surrey GU20 6HJ,
(an English Company)
ENGLAND.

Inventors: 1. THOMAS RATHBONE.

Application No892/MAS/95 filed on 14-Jul-95

Convention No. 9414938.2 on 25-Jul-94, GBSN

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)
Patent Office, Chennai Branch.

20 Claims

A method of producing argon from air, said method comprising the steps of compressing and cooling feed air; introducing a flow of said feed air at least partly in vapour state into a higher pressure rectifier; and separating the flow into oxygen enriched liquid air and nitrogen; condensing nitrogen so separated and employing one part of the condensate as reflux in a higher pressure rectifier; and another part to it as reflux in a lower pressure rectifier; separating nitrogen-enriched vapour from a stream of the oxygen-enriched liquid air in an intermediate pressure rectifier; condensing nitrogen-enriched vapour so separated so as to provide reflux for the intermediate pressure rectifier; reboiling the intermediate pressure rectifier with a stream of nitrogen separated in the higher pressure rectifier and thereby condensing the nitrogen stream and meeting part of the requirement for condensation of the nitrogen separated in the higher pressure rectifier; separating in the lower pressure rectifier a stream, withdrawn from the intermediate pressure rectifier, of liquid air further enriched in oxygen; reboiling the lower pressure rectifier with a vapour stream of the feed air; and withdrawing a stream of argon-enriched oxygen vapour from the lower pressure rectifier and separating it by rectification to produce an argon product.

Ind.Cl.:158 C 1
Int.Cl⁴:B 61 G 5/02

191866

"AN IMPROVED RAILCAR
CONNECTOR ASSEMBLY".

Applicant: AMSTED INDUSTRIES INCORPORATED
205 NORTH MICHIGAN AVENUE 44TH FLOOR -
BOULEVARD TOWERS SOUTH CHICAGO,
ILLINOIS 60601(a corporation of Delaware)
USA.

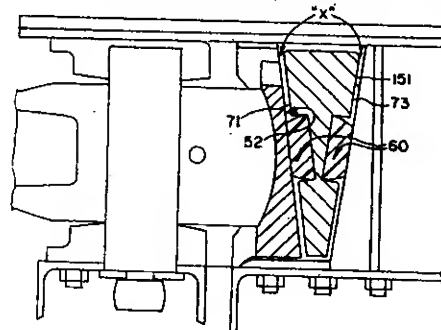
Inventors: 1. RICHARD G. BEAUCLERC;
2. CHARLES P. SPENCER;
3. FRANKLIN S. MCKEOWN, JR.

Application No1070/MAS/95 filed on 22-Aug-95

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003) Patent Office,
Chennai Branch.

14 Claims

An improved railcar connector assembly having a longitudinal axis and undergoing tensile and compressive loading along said axis, said connector assembly comprising a pocket casting having an end wall and an open pocket forward of said end wall, a coupler member, a wedge having a front wall, a back wall, a top end and a bottom end, and a follower block with a front surface and a rear surface, said follower block and said wedge received in said pocket such that said follower block is spaced from said pocket end wall by said wedge, said follower block from surface in contact with said coupler member and said follower block rear surface in contact with said wedge front wall, said wedge back wall contacting said pocket casting end wall, said wedge having a first full seated position and a second fully seated position, said first fully seated position, defining a first wedge location relative to said follower block and said pocket casting end wall wherein said wedge is longitudinally aligned with and in simultaneous contact with said follower block and pocket casting end wall as said connector assembly undergoing tensile loading, said second fully seated position defining a second wedge location relative to said follower block and said pocket casting end wall wherein said wedge is longitudinally aligned with an in simultaneous contact with said follower block and said pocket casting end wall as said connector assembly undergoes compressive loading, wherein the improvement comprising: means attached to said wedge for vertically supporting said wedge at a holding position during tensile loading in order to eliminate a build-up of forces which otherwise occurs within said connector assembly if said wedge is allowed to drop into said first fully seated position during tensile loading, said holding position located above said first fully seated position.



Comp.Specn. 22 Pages; Drgs 3 Sheets.

191867

Ind.Cl.: 99 C

Int Cl⁴ : B 65 D - 08/00
B 65 D - 43/06
B 65 D - 43/10

"A CYLINDRICAL BLOW-MOULDED BARREL WITH A LID"

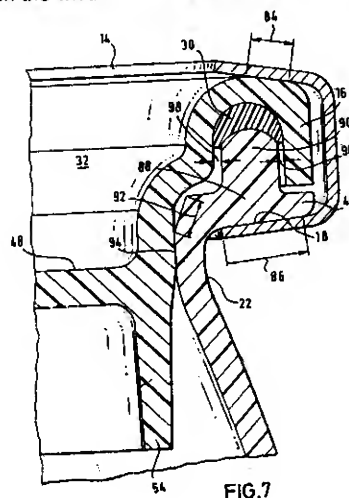
APPLICANT(S) : MAUSER - WERKE GmbH
SCHILDGESSTR., 71 - 163
50321 BRUHL
GERMANY
A GERMAN COMPANY

INVENTOR(S) : 1. PRZYTULLA DIETMAR

Application No. 1189/MAS/95 filed on 13-Sep-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.
15 CLAIMS

A cylindrical blow-moulded barrel (10) with a lid (12) and a clamping-ring closure (14), in which the upper arm of the clamping ring closure (14) of U-shaped cross-section engages in the closed state over the outer lid rim (16) and the lower arm thereof engages in a recess (22) in the upper barrel wall closely below the upper barrel rim (16) and the lower arm thereof engages in a recess (22) in the upper barrel wall closely below the upper barrel rim (16) and the lower arm thereof engages in a recess (22) in the upper barrel wall closely below the upper barrel rim (16), or engages under a barrel edge extending substantially horizontally or an abutment face (18) extending slightly obliquely and forming the upper boundary of the recess (22), the outline of which extends outwards in a substantially conical manner downwards towards the transition (24) into the completely cylindrical part of the barrel wall, wherein the over-lapped outer lid rim (16) has a U-shape open at the bottom as viewed in cross section, into which a lid seal (30) is inserted or set in foam which comes to rest in a sealed manner against a slightly enlarged rim of the barrel mouth, wherein at least one bunghole opening (42, 44) sunk laterally into a bung casing is optionally provided in the barrel lid (12), characterized in that immediately behind the lid rim (16) which is overlapped by the upper arm of the clamping ring closure (14), the barrel lid (12) is provided with a continuous, substantially V-shaped engaging groove (32) reduced downwards into the barrel body (20) with a flat bottom (48) between a central lid disc (80) of reduced diameter and the lid rim (16), the inner boundary of the engaging groove (32) is formed by a ring part (52) which extends obliquely upwards in a conical manner and to which the flat lid disc is attached, the outline of the recess (22) extends outwards in a substantially flat-conical manner downwards towards the transition (24) into the completely cylindrical part of the barrel wall, wherein the transition (24) from the conical area into the completely cylindrical part of the barrel body (20) is situated at a distance of from 80 mm to 140 mm, preferably about 120 mm, from the upper front edge of the rim (28) of the barrel mouth, and wherein the upper rim (28) of the barrel mouth is made solid as an abutment and a sealing face for the lid seal (30) and has a width (thickness) of at least double the wall thickness of the barrel body (20), wherein a continuous flange rim (40) with a radial extension of from about 3 to 5 mm is additionally formed on the outside of the barrel rim, as a result of which the width of the horizontal abutment face (18) is enlarged for the lower arm of the clamping ring (14).



COMP. SPECN. : 34 PAGES DRAWINGS: 10 SHEETS.

FIG. 7

Ind. Cl. : 172 D 6 191868

Int Cl⁴ : D 06 B 23/02 ; 15/02
F 16 C 13/00

"SQUEEZE ROLLER"

APPLICANT(S) : JAPAN EXLAN COMPANY LIMITED
A CORPORATION OF JAPAN OF 2-8,
DOJIMA HAMA 2-CHOME, KITA-KU
OSAKA, JAPAN
A JAPANESE COMPANY

INVENTOR(S) : 1. YOUSUKE KOBAYASHI;
2. TAKATOSHI MANO;
3. TAKAHISA KIDA.

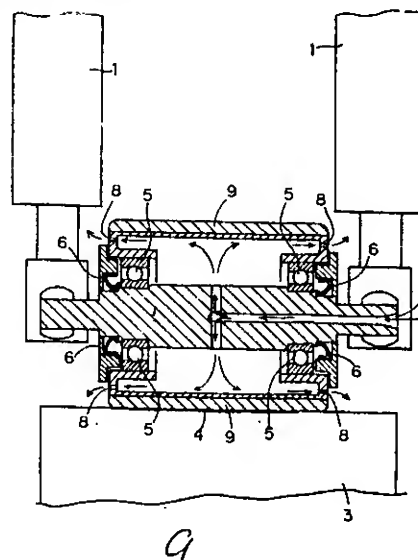
APPLICATION NO : 1520 MAS 95 filed on 23-Nov-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 2003) PATENT OFFICE, CHENNAI BRANCH.

2 CLAIM

A squeeze roller comprising a roller shaft and a roller which is held rotatably at both ends of the roller shaft, wherein the roller shaft and the roller defines a hollow area between them, characterized in that the roller shaft is provided with a gas introducing opening which elongates from one end or both ends of the roller shaft to central portion of the roller shaft and with a gas discharging opening which communicates with the gas introducing opening at central portion of the roller shaft and which opens to the surface of the roller shaft, that the roller part is provided with plurality of outlet openings which communicate with said hollow area and which opens to both ends of the roller.

COMP.SPECN: 14 PAGES DRAWING: 4 SHEETS.



Ind.Cl.:6 B.3

191869

Int.Cl.⁴:B 01 D 47/00; G 05 D 7/00**"FLUE GAS TREATING SYSTEM".**

Applicant: MITSUBISHI JUKOGYO
KABUSHIKI KAISHA of 5-1,
marunouchi, 2-chome, Chiyoda-Ku
Tokyo(a Japanese Corporation)
JAPAN.

Inventors: 1. EIJI OCHI;
2. TORU TAKASHINA; 3. TAKAO SODESHITA.

Application No 1611/MAS/95 filed on 6-Dec-95

Convention No. 96773/1995 on 21-Apr-95, JAPAN.

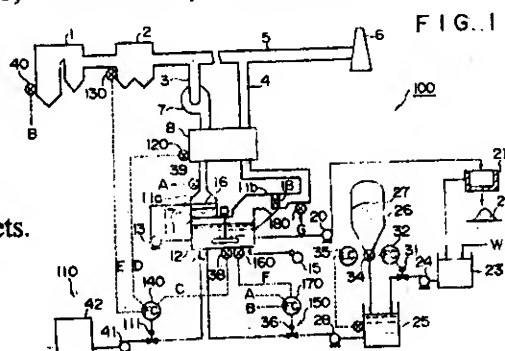
Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)
Patent Office, Chennai Branch.

4 Claims

A flue gas treating system comprising a gas-gas heater for heating the treated flue gas by use of the heat of untreated flue gas containing sulfur dioxide, and/or a dust collector for removing dust present in the untreated flue gas; and a wet flue gas desulfurization apparatus in which the flue gas having passed through said gas-gas heater and said dust collector is introduced into an absorption tower and brought into contact with a calcium compound-containing slurry to remove the sulfur dioxide by absorption and form gypsum said flue gas system further comprising, addition means for adding an alkaline agent to the slurry; a pH detector for detecting the pH of the slurry within the absorption tower; gas-gas heater operational state detection means for detecting the operational state of said gas-gas heater; dust collector operational state detection means for detecting the operational state of said dust collector; and alkaline agent addition control means for controlling the amount of alkaline agent added in response to signals from said pH detector, said gas-gas heater operational state detection means and said dust collector operational state detection means.

Reference to : 102967/78; 124530/80; 97597/76.

Comp.Specn. 39 Pages; Drgs 5 Sheets.



Ind. Cl. : 116G, 157 B 191870

Int Cl⁴ : B 61 J - 1/12
B 66 F - 9/22
B 61 K - 5/00

"DISPLACEMENT DEVICE FOR THE HORIZONTAL
DISPLACEMENT OF HEAVY LOADS"

APPLICANT(S) : LUKAS HYDRAULIK GMBH,
OF WEINSTRASSE 39, 91058
ERLANGEN GERMANY
A GERMAN COMPANY

INVENTOR(S) : 1. HEINZ HELLER;
2. Dr WOLF KUHLMANN;
3. DIETER HESSE.

APPLICATION NO : 1636 MAS 95 filed on 12-Dec-95

CONVENTION NO : 195 02 292.0 ON 26-Jan-1995 GERMAN

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES 2003) PATENT OFFICE, CHENNAI BRANCH.

17 CLAIMS

A displacement device for the horizontal displacement of heavy loads, such as derailed rail vehicles or the like, comprising a lifting cylinder and a hydraulically driven displacement cylinder arrangement having a piston rod, which allows the position of the load raised by means of the lifting cylinder to be altered, characterized in that the lifting cylinder (2) is carried by a slide (6) which is horizontally movable in two opposite directions, the slide is disposed displaceably on the surface of a support and the piston rod (11) of a displacement cylinder arrangement is fixedly connected to the support, the displacement cylinder arrangement is movable along the piston rod, and the displacement cylinder arrangement is in engagement with the slide.

COMP.SPECN: 15 PAGES DRAWING : 5 SHEETS.

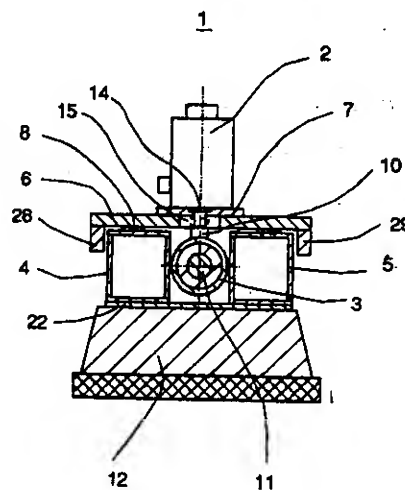


Fig. 1

191871

Ind.Cl : 62 E
Int.Cl⁷ : D 06 F , 17/I0 , 17/06 , 17/04
Title : WASHING MACHINE
Applicant : MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD. OF 1006, OAZA
KADOMA-SHI, OSAKA 571, JAPAN
Inventor : KOUMI TSURUTA
Application no. 1636/CAL/1996 FILED ON 13.09.1996

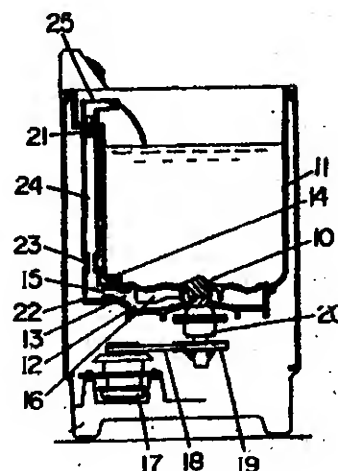
(CONVENTION NO. 8-121293 FILED ON 16.5.1996 IN JAPAN.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

6 CLAIMS.

A washing machine comprising agitating means (10) disposed at the inner bottom of a washing tub (11) and a circulating function which guides washing water to the top part of washing tub (11) by making use of a pumping action of rear fin (16) of the agitating means (10), characterized in that an outlet (15) is provided with one end coupled through with a pump chamber (12) comprising rear fin (16) of the agitating means (10), the other end of outlet is coupled through with a plurality of outlet water channels (24), and each of the outlet water channels (24) extends to the top part of said washing tub (11).



Complete Specifications : 21 pages.

Drawings: 6 sheets

Ind.Cl : 155 A
Int.Cl⁷ : B 05 C 1/12
Title : ADHESIVE APPLICATION DEVICE
Applicant : WINDMOLLER & HOLSCHER, OF MUNSTERSTR. 50 49525
LENGERICH, GERMANY.
Inventor : HERMANN SANDMEIER
Application no. 66/CAL/1997 FILED ON 14.01.1997
(CONVENTION NO. 19604761.7 FILED ON 09.02.1996 IN GERMANY.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)
PATENT OFFICE KOLKATA.

11 CLAIMS.

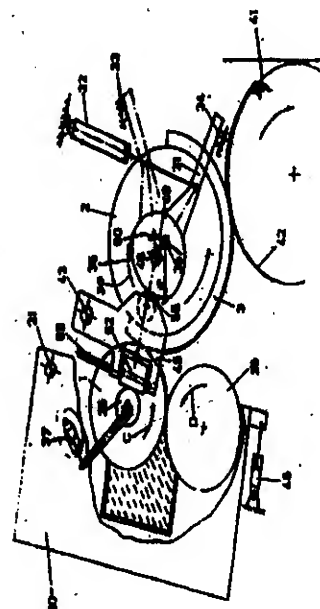
An adhesive application device comprising:

An adhesive chamber (23) for accepting adhesive (24),

An adhesive roll (1) which dips partially into the adhesive,

A block roll (2) for spreading glue onto a work piece, and a clamping device (40) for guiding the work piece, past the block roll (2) so that in absence of a work piece a turning axis of the block roll (2) is swung away from the clamping device (40) on an eccentric axis which does not coincide with a rotational axis of the adhesive roll,

Characterised in that a radial cam (35) is provided for compensating the deviation of a circle (50) concentric to a rotational axis of journal (28) of the adhesive roll (1) form an arc (49) on which a turning axis (36) of the block roll moves along, so that the clearance between said axes (28, 36) remain constant.



Complete Specifications : 14. pages.

Drawings: sheets

Ind.Cl : 191873
Int.Cl⁷ : H 05 K 3/38
Title : A HIGH-SPEED MASS PRODUCTION METHOD FOR PRODUCING
A CARRIER WITH A FRAME AND APPARATUS FOR CARRYING
OUT THE METHOD
Applicant : SIMENS AKTIENGESELLSCHAFT
OF WITTELSBACHERPLATZ 2, 80333 MUNCHEN GERMANY
Inventor : 1. HELMUT GRAF.
2. JUERGEN FISHER
Application no. 144/CAL/1997 FILED ON 24.01.1997

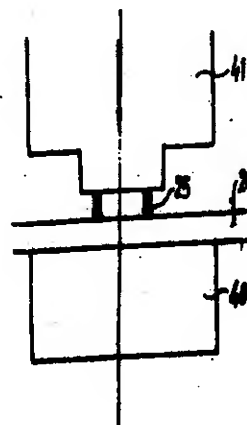
(CONVENTION NO.19602436.6. FILED ON 24.01.1996 IN GERMANY.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA:

8 CLAIMS.

A high speed mass production method for producing a carrier (20) with a frame (25) comprising the steps of adhesively bonding the frame to the carrier by means of an adhesive which has a curing time, characterized in that the frame and the carrier are pressed against each other during the curing time of the adhesive using a heatable pressing elements (40, 41), the heating means being assigned to and being integrated in said heatable pressing element (40, 41), and in that, while they are being pressed against each other, the frame and/or the carrier are heated by the pressing elements.



Complete Specifications : 11 pages.

Drawings: 2 sheets

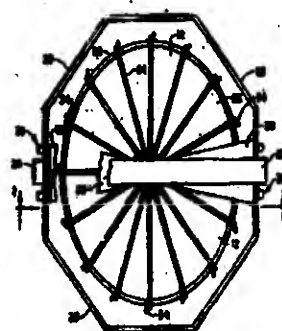
Ind.Cl : 98 D, 181 191874
 Int.Cl⁷ : F 28 D, 19/04, F 28 F 5/02, 9/04
 Title : AN ASSEMBLY FOR ADJUSTABLY MOUNTING AN AXIAL SEAL
 PLANT BETWEEN A HOUSING PANEL AND THE ROTOR OF A
 ROTARY REGENERATIVE AIR PREHEATER
 Applicant : ALSTOM POWER INC, OF ANDOVER ROAD, WELLSVILLE, NEW
 YORK 14895, UNITED STATES OF AMERICA.
 Inventor : 1. MARK E. BROPHY.
 2. GLENN D. MATTISON
 Application no. 252/CAL/1997 FILED ON 13.02.1997
 (CONVENTION NO. 08/604 646 FILED ON 21.02.1996 IN UNITED STATES OF AMERICA.)
 APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

3 CLAIMS.

An assembly for adjustably mounting an axial seal plate (32) between a housing panel (28) and the rotor (12) of a rotary regenerative air preheater (10), the rotary regenerative air preheater (10) being of the type having the rotor (12), a plurality of housing panels (28) surrounding the rotor (12), and a plurality of axial seal plates (32) each having an axial centerline and disposed between a respective housing panel (28) and the rotor (12), ^{characterized in that} comprising:

- a. a pair of adjustable rods (54) each extending between the axial seal plate (32) and the respective housing panel (28) and means (35) adjustably attaching each adjustable rod (54), at a respective end thereof, to the respective housing panel (28) and, at the other respective end thereof, to the axial seal plate (32) such that the pair of adjustable rods (54) are attached to the axial seal plate (32) at spaced apart positions along its centerline and the centerline of the axial seal plate (32) may be moved toward and away from the rotor (12) by adjusting movement of the adjustable rods (54); and
- b. a pair of adjustable stop means (60) engaging the axial seal plate (32) on respective opposite sides of its centerline and being adjustably movable toward and away from the rotor (12) to thereby provide adjustable stops for the axial seal plate (32) on both sides of the centerline thereof.



Ind.Cl : 98 D, 181 191875
Int.Cl⁷ : F 28 D, 19/04 F 28 F 5/02 9/04
Title : AIR PREHEATER WITH SEMI MODULAR ROTOR CONSTRUCTION
Applicant : ALSTOM POWER INC, OF ANDOVER ROAD, WELLSVILLE,
NEW YORK 14895, UNITED STATES OF AMERICA.
Inventor : 1. MARK EUGENE BROPHY.
2. WILLIAM CULLEN COX
3. HARLAN EUGENE FINNEMIORE
4. GLENN DANIEL MATTISON
5. REX RICHARD SINDER.
6. MICHAEL WILLIAM WONDERLING

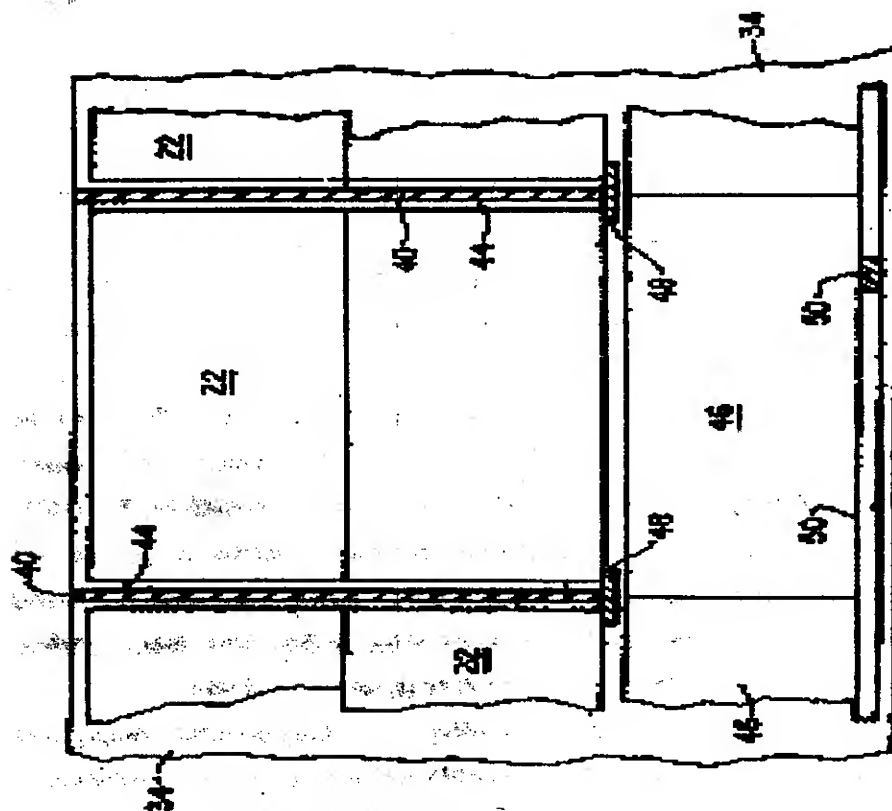
Application no. 253/CAL/1997 FILED ON 13.02.1997

(CONVENTION NO.604,914 FILED ON 22.2.1996 IN UNITED STATES OF AMERICA.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

4 CLAIMS.



Air preheater with semi-modular rotor construction having a rotor hub (36) and a plurality of diaphragm plates (68) extending radially outward from said hub (36) dividing said rotor (14) into a plurality of sectors (58,60) for supporting modular heat transfer baskets (22) therein comprising:

- a. a plurality of rotor modules (56) each having at least one sector (20) and comprising:
 - i. radially extending diaphragm plates (68) extending along the side of each sector (20),
 - ii. at least one support grating (66) mounted between said diaphragm plates (68) in each sector (20) adapted to support said modular heat transfer baskets (22) thereon,
 - iii. means attached to said diaphragm plates adapted to mount said rotor module (56) on said rotor hub (36);
- b. a plurality of diaphragm assemblies (64) each having an independent radially extending diaphragm plate (68) and means adapted to mount said independent diaphragm plate (68) on said rotor hub (36);
- c. a plurality of separate support gratings (62) are adapted to be mounted in said rotor sectors (20) and

adapted to support said modular heat transfer baskets (22) thereon;

said a plurality of rotor modules (56) on mounted on said rotor hub (36) at spaced intervals; characterized in that

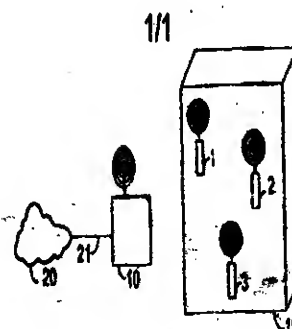
one of said a plurality of diaphragm assemblies (64) is mounted on said rotor hub (36) in each of said intervals between said spaced rotor modules (56) thereby forming sector spaces on each side of each of said diaphragm assemblies (64) and between said diaphragm assemblies (64) and the adjacent said rotor module (56) adjacent rotor modules, and in that at least one of said a plurality of separate support gratings (62) is mounted in each of said sector spaces between said diaphragm assemblies (64) and said adjacent rotor module (56).

Ind.Cl : 187 F 191876
Int.Cl⁷ : H 04 Q 3/545
Title : A TELECOMMUNICATION SYSTEM.
Applicant : KONINKLIJKE PHILIPS ELECTRONICS N.V. OF
GROENEWOUDSEWEG 1, 5621 BA ENDHOVEN, THE NETHERLAND
Inventor : PIERRE-HUGUES BOUCHER
Application no. 532/CAL/1997 FILED ON 26.3.1997
(CONVENTION NO.9603825 FILED ON 27.3.1996 IN FRANCE.)
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

4 CLAIMS.

A telecommunication system comprising at least a base station and a plurality of mobile terminals, said mobile terminals having an internal identifier, means for sending location request messages to said base station and means for receiving location accept messages from said base station, said base station having means for receiving location request messages from said mobile terminals and means for sending location accept messages to said mobile terminals, wherein the said system is arranged for transporting said internal identifier, a certain field of said location request messages and said location accept messages being set to a predetermined value when said location request messages and said location accept messages comprise said internal identifier, by using said location request messages and said location accept messages.



Complete Specifications : 7 pages.

Drawings: 1 sheets

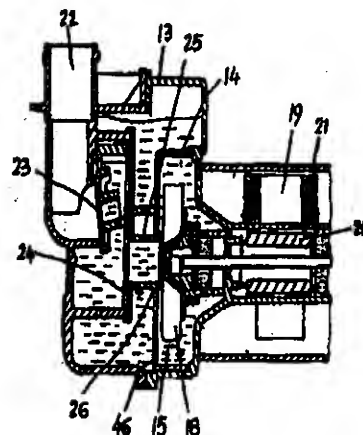
Ind.Cl : 62 E 191877
 Int.Cl⁷ : F 04 D9/02 D 06 F 39/08
 Title : A PUMP DEVICE FOR WASHING MACHINE OR ALIKE.
 Applicant : MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD. OF 1006, OAZA
 KADOMA-SHI, OSAKA 571, JAPAN
 Inventor : MASAMITSU MIHARA
 Application no. 1319/CAL/1997 FILED ON 11.07.1997
 (CONVENTION NO. 8-184575 FILED ON 15.7.1996 IN JAPAN.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

8 CLAIMS.

A pump device for washing machine or alike, comprising: a pump case storing priming a, a runner casing with a vortex chamber connected to a suction port disposed in said pump case, a freely rotatable runner disposed in said runner casing, and an electric motor driving said runner characterized in that said the runner casing is provided with a discharge port discharging a mixture of air-water, said vortex chamber is provided with a nearly symmetrical shape to a center line connecting said discharge port and said runner, and said electric motor is employing a rotor made of permanent magnet driving said runner at a low speed in a right or left direction within said runner casing.



Complete Specifications : 20 pages.

Drawings: 3 sheets

Ind.Cl : 129 J 191878
 Int.Cl⁷ : G 05 B 1/04
 Title : AN ELECTRONIC DEVICE FOR INDICATING THE POSITIONS OF HORIZONTAL ROLLS/VERTICAL EDGERS IN THE ROLLING MILL OF A STEEL PLANT.
 Applicant : STEEL AUTHORITY OF INDIA LTD. OF ISPAT BHAWAN, LODI ROAD. NEW DELHI – 110003, INDIA
 Inventor : 1. BRAJENDRA KUMAR SANTRA.
 2. DEVULAPALLI SURYANARAYANA MURTY
 3. ABHIJIT CHATTERJEE
 Application no. 1992/CAL/1997 FILED ON 23.10.1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

4 CLAIMS.

1. An electronic device for indicating the positions of horizontal rolls/vertical edgers in the rolling mill of a steel plant, comprising two encoders (1) which are mechanically coupled by means of mechanical attachments/couplings (3), one each to two 'horizontal roll/vertical edger' driving motor shafts (2), for producing a number of electrical pulses corresponding to the angles of rotations of the driving motor shafts, causing a proportional movement of the horizontal rolls/vertical edgers; a microprocessor (5) having two inputs, connected one each to the outputs of the two encoders (1) through one interface circuit (4); two counters (8a, 8b), one (8a) being meant for counting the pulses produced by the encoder proportional to the rotation of the driving motor shaft in clockwise direction and other (8b) for counting the pulses produced by the encoder proportional to the rotation of the driving motor shaft in anticlockwise direction; two digital panel meters (7) for displaying the positions of the horizontal rolls/vertical edgers; and a power supply unit (6) for supplying electrical power to the microprocessor and encoders.

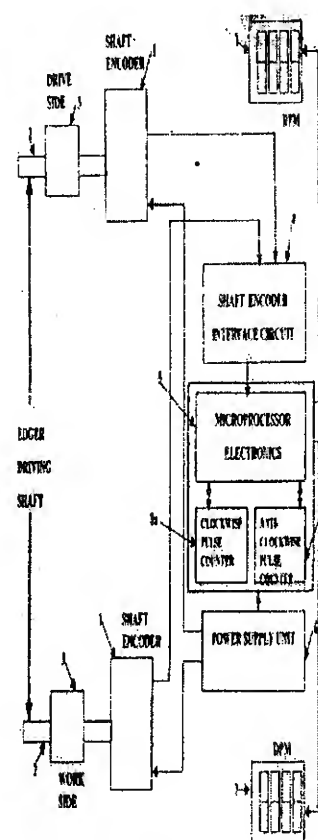


Figure 1

Complete Specifications : 6 pages.

Drawings: 1 sheet

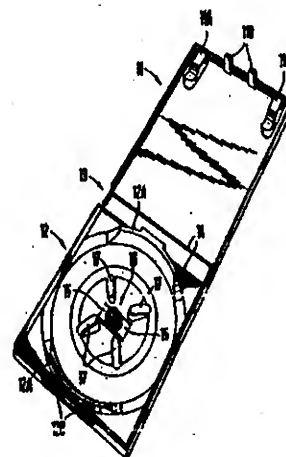
Ind.Cl : 143 D 4 191879
Int.Cl⁷ : B 65 D 85/57
Title : APPARATUS FOR HOLDING A COMPACT DISC
Applicant : DUBOIS LIMITED, of 3/4 GREAT MARLBOROUGH STREET
LONDON W1V 3AR, UNITED KINGDOM.
Inventor : 1. PIJANOWSKI STEFAN ALEXANDER
2. FRASER ANTHONY HENRY JOSEPH.
3. FARRAR PETER ANTONY

Application no. 287/CAL/2001 FILED ON 17.05.2001
(CONVENTION NO. 9422190.0 FILED ON 03.11.1994 IN UK.)
(DIVIDED OUT OF NO. 1385/CAL/95 ANTE-DATED TO
03.11.1995)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)
PATENT OFFICE KOLKATA.

27 CLAIMS.

Apparatus for holding a compact disk having a central hole, said apparatus comprising a base portion (12) disk-engaging means (15,16) extending from the base portion (12) for releasably engaging the central hole of the disk (25), and disk support means (35) provided on the base portion (12) for supporting the disk (25) at positions away from the central hole, such that, when the disk (25) engages the disk support means (35), the centre of the disk (25) flexes towards the base portion (12) so that upon release of the disk engaging means (15,16) from the central hole, the disk (25) is able to revert to its unflexed state and the centre of the disk (25) moves out of engagement with the disk engaging means (15, 16).



Complete Specifications : 26 pages.

Drawings: 7 sheets

Ind.Cl : 128 G 191880
Int.Cl⁷ : A 61 M 31/00 35/00
Title : AN EXPANDABLE ARTICULATED STENT WITH SUBSTANTIALLY
TUBULAR AND SUBSTANTIALLY RIGID ADJACENT SEGMENTS
Applicant : MEDINOL LTD, OF KIRIAT ATIDIM, P.O BOX 58165 TEL AVIV
61581, ISREAL
Inventor : 1. GREGORY PINCHASIK
2. JACOB RICHTER.

Application no. 48/CAL/2002 FILED ON 24.01.2002

(DIVIDED OUT OF NO. 886/CAL/95 ANTEDATED TO 31.7.95)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

20 CLAIMS.

An expandable articulated stent, the substantially tubular and substantially rigid adjacent segments of which are connectable by a connector comprising a longitudinal and a circumferential axis, with

- a) A plurality of substantially tubular and substantially rigid segments (102) defining a longitudinal aperture; and
- b) A plurality of flexible connecting links (124) connecting said rigid segments (102), each of said flexible links having a first portion and a second portion, each of said links when viewed laterally having an area of inflection (128) disposed between said portions.

Complete Specifications : 15 pages.

Drawings: 5 sheets

Ind.Cl : 48 D 3 191881
 Int.Cl⁷ : H 01 R 9/05, H 01 R 4/18, H 01 R 13/648
 Title : A TERMINATION ASSEMBLY COMPRISING A PAIR OF CABLES
 AND A METHOD OF FORMING THE SAME.
 Applicant : MOLEX INCORPORATED, OF 2222 WELLINGTON, COURT, LISLE,
 ILLINOIS 60532, UNITED STATES OF AMERICA.)
 Inventor : 1. MICHAEL O'SULLIVAN.
 2. PAUL MURPHY

Application no. 294/CAL/1997 FILED ON 18.02.1997

(CONVENTION NO. 08/609, 301 FILED ON 01.03.1996 IN UNITED STATES OF AMERICA.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

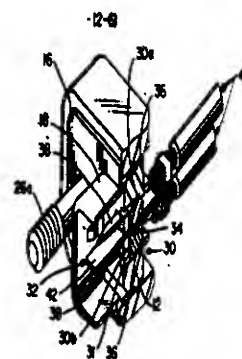
33 CLAIMS.

1. A termination assembly comprising:

a pair of cables (40), each of said cables having an inner conductor (52), an inner dielectric (54) surrounding at least a portion of said inner conductor, a metallic shield (56) surrounding at least a portion of said inner dielectric and an outer insulating jacket (58) surrounding at least a portion of said metallic shield, a portion of said outer jacket being removed to expose an exposed portion ~~(56)~~ of said metallic shield (55);

a pair of rigid sleeve members (50), one of said sleeve members being positionable between said metallic shield and said inner dielectric of one of said pair of cables and the other of said sleeve members being positionable between said metallic shield and said inner dielectric of said other of said pair of cables; and

a terminal (32) to which said metallic shields are to be terminated, said terminal being at least partially disposed in a dielectric housing (12) of an electrical connector (10) and having a ground portion (42) comprising including an elongated, generally planar ground plate (42) having a pair of crimp arms (62a) projecting from opposite edges of said ground plate near one end thereof, said crimp arms being adapted to be crimped onto said exposed portions of said metallic shields of said cables thereby clamping said metallic shields between said crimp arms and said sleeve members.



Complete Specifications : 25 pages.

Drawings: 6 sheets

191882

Ind.Cl : 48 D3
Int.Cl⁷ : A 01 R 9/05 , A 01 R 4/18, A 01 R 13/648
Title : SYSTEM FOR TERMINATING THE SHIELD OF A HIGH SPEED CABLE
Applicant : MOLEX INCORPORATED, OF 2222 WELLINGTON, COURT, LISLE,
ILLINOIS 60532, UNITED STATES OF AMERICA.)
Inventor : 1. PAUL MURPHY
2. JAMES C. CUMMINGS.
3. ALEJANDRO MCCONEGLY COTA.
4. JOSEPH W. NELLINGAN , JR.
5. MICHAEL O'SULLIVAN.
6. THOMAS P, PELLEGRINO.

Application no. 297/CAL/1997 FILED ON 18.02.1997

(CONVENTION NO. 08/609,332 FILED ON 01.03.1996 IN UNITED STATES OF AMERICA.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

41 CLAIMS.

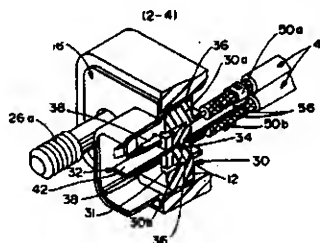
A termination assembly comprising:

A pair of cables (40), each of said cables having an inner conductor (52) , an inner dielectric (54) surrounding at least a portion of said inner conductor, a metallic shield (56) surrounding at least a portion of said inner dielectric and an outer insulating jacket (58) surrounding at least a portion of said metallic shield , a portion of said outer jacket being removed to expose an exposed portion of said metallic shield (56);

A terminal (32) to which said metallic shield is terminated , said terminal being at least partially disposed in a dielectric housing (12) of an electrical connector (10) and having a termination portion (42); and

A pair of gripping arms (50a) projecting from said termination portion, each of said gripping arms being disposed about said exposed portion of said metallic shield of one of said cables so that said gripping arm and said termination portion substantially encircle said exposed portion of said metallic shield of said cable and grips said exposed portion of said metallic shield without deformation of said inner dielectric, each of said exposed portions of said metallic shields being bonded to said gripping arm in which said exposed portion is disposed.

Complete Specifications : 33 pages. Drawings: 4 sheets



Ind.Cl : 68 E 1 191883
 Int.Cl⁷ : G 05 B 015/00
 Title : PLANT MONITORING /CONTROLLING APPARATUS
 Applicant : HITACHI, LTD. OF 6, KANDA, SURUGADAI, 4-CHOME, CHIYODA,
 JAPAN.
 Inventor : TAKEKAZU MARUYAMA
 Application no. 680/CAL/1997 FILED ON 21.04.1997
 (CONVENTION NO. 08-104922 FILED ON 25.04.1996 IN JAPAN.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

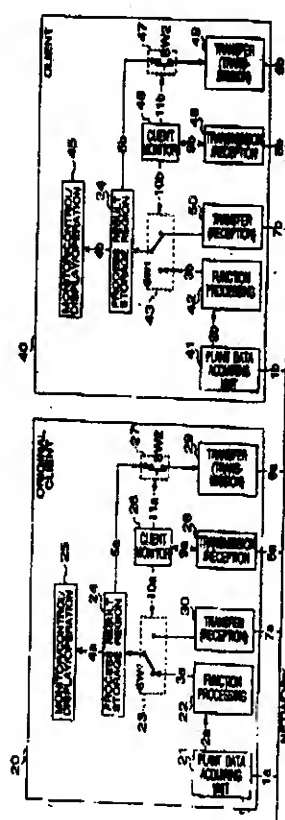
PATENT OFFICE KOLKATA.

3 CLAIMS.

A plant monitoring/controlling apparatus in which a plurality of clients communicate with each other via a network are arranged, for each of functions one client for serving as an original client being provided, said original client corresponding to a software server for each of the functions used to monitor/control said plant, said one client comprising:

- an acquisition unit for acquiring data from said network;
- a process unit for processing data corresponding to said one function from among said acquired data;
- a storage unit for storing said data passed through said process unit;
- a first switch connected between said process unit and said storage unit;
- a reception unit connected to said first switch;
- a transmission unit for transmitting data from said storage unit via said network;
- a second switch connected between said storage unit and said transmission unit; and
- a monitoring unit connected to said first and second switches,

wherein an original client of a first function transmitting data related to said first function to another client, said another client receiving said data to store into a storage unit provided with said another client, whereby the data stored in each of other clients synchronized.



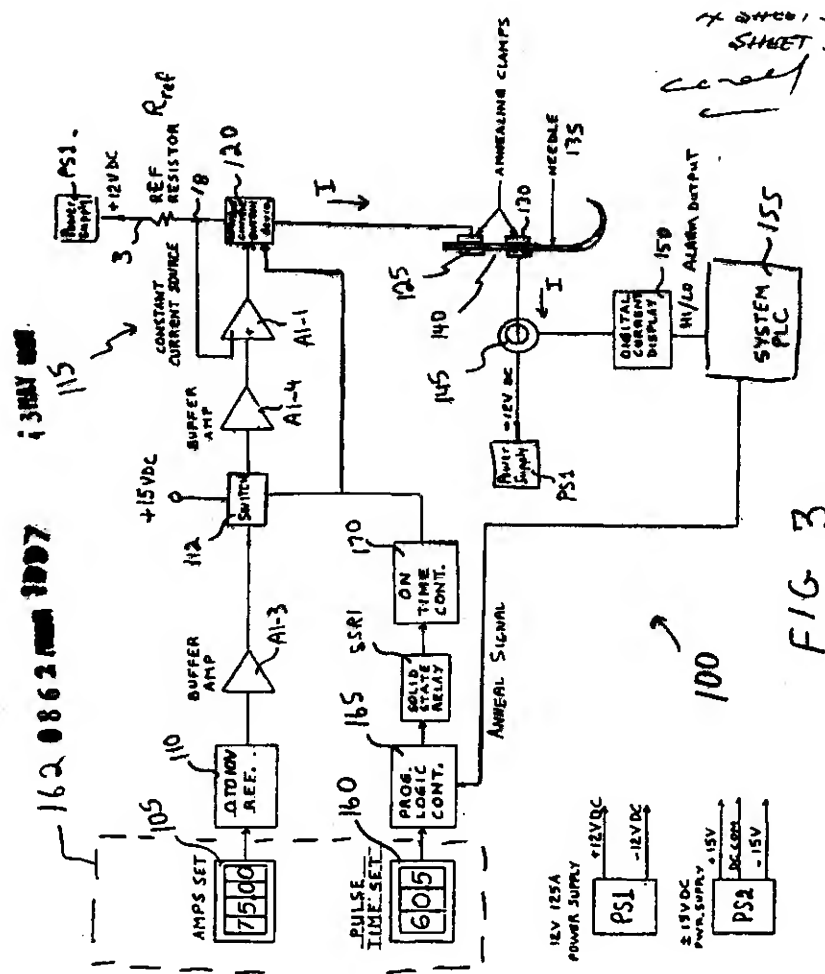
Complete Specifications : 27 pages.

Drawings: 9 sheets

Ind.Cl : 12 D 191884
 Int.Cl⁷ : C21D9/26 11/00
 Title : CONSTANT CURRENT NEEDLE ANNEALING DEVICE AND A METHOD
 OF PRODUCING AN ANNEALED NEEDLE
 Applicant : ETHICON, INC. OF ROUTE NO. 22, SOMERVILLE, NJ 08876,
 UNITED STATES OF AMERICA.
 Inventor : GEORGE SCHOB
 Application no. 862/CAL/1997 FILED ON 13.05.1997
 (CONVENTION NO.08/659492 FILED ON 06/06.1996 IN UNITED STATES OF AMERICA.)
 APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

23 CLAIMS.



A constant current needle annealing device for annealing a needle, said device comprising:

at least one reference circuit for setting a desired annealing time and current;

a pair of electrodes spaced apart and clamped on said needle;

a constant current source connected to said reference circuit, said constant current source providing a constant through said pair of electrodes for annealing said needle; and

a switching means connected between said constant current source and said pair of electrodes, said switching means switching in response to a timing signal from said reference circuit;

characterized in that a voltage drop across said switching means varies in response to changes in a voltage drop across said needle so that said current remains constant.

Complete Specifications : 46 pages.

Drawings: 4 sheets

Ind.Cl : 191885

Int.Cl⁷ : C 01 B 39/04 39/36 39/48

Title : A PROCESS FOR THE PREPARATION OF MICROPOROUS AND MESOPOROUS METAL SILICATES

Applicant : DEGUSSA AKTIENGESELLSCHAFT, OF WEISSFRAUENSTRASSE 9, D-60311, FRANKFURT AM MAIN, GERMANY.

Inventor : 1. DR. STEFFEN HASENZAHL.
2. DR. HELMUT MANGOLD.
3. DR. ROLAND ECKEHART.
4. DR. SCHOLZ MARIO
5. DR. THIELE GEORG.

Application no. 1039/CAL/1997 FILED ON 04.06.1997
(Convention no. 19624340.8 FILED ON 19.06.1996 IN GERMANY.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

6 CLAIMS.

A process for the preparation of microporous and mesoporous metal silicates of the general composition



Or



In which;

- X** is a number between 0.0001 and 0.25;
- Y** is a number greater than 0 and less than 1;
- A and A'** are a metal of valency p from the group comprising B, Al, Ga, In, Ge, Sn and Pb or from subgroups 3 to 8;
- M** is a cation of valency q from the group comprising alkali metals, alkaline earth metals, H^+ , NH_4^+ and N (alkyl) 4^+ and

m, m', n, n' and r are the number of atoms, where.

$$m.p = 2n \text{ and } m'.p = 2n'$$

$$\text{and } m.p + r.q = 2n'',$$

comprising the hydrothermal reaction of a silicon and metal source such

191885

as herein described in the presence of a template such as herein described characterised in that a pyrogenic mixed oxide of composition (Ia) or (Ib) is used and the cation M of formula (II) is incorporated via the template or via alkali metal or alkaline earth metal hydroxide present in the hydrothermal synthesis, wherein the hydrothermal reaction in the preparation of microporous metal silicates is carried out at a temperature between 100 and 220°C, preferably between 150 and 190°C, and in the preparation of mesoporous metal silicates is carried out at between 50 and 175°C, preferably between 70 and 150°C, under at least autogenous pressure.

Complete Specifications : 25 pages.

Drawings: nil sheets

Ind.Cl : 65 A 191886

Int.Cl⁷ : H 02 M – 3/07

Title : A CIRCUIT ARRANGEMENT FOR PRODUCING AN OUTPUT VOLTAGE OF OPPOSITE POLARITY TO THE OPERATING VOLTAGE

Applicant : SIMENS AKTIENGESELLSCHAFT
OF WITTELSBACHERPLATZ 2, 80333 MUNCHEN GERMANY

Inventor : 1. THOMAS MEIER.
2. KLAUS-JUERGEN SCHOEPE

Application no. 1081/CAL/1997 FILED ON 09.06.1997

(Convention no. 19623828.5 FILED ON 14.06.1996 IN GERMANY.)

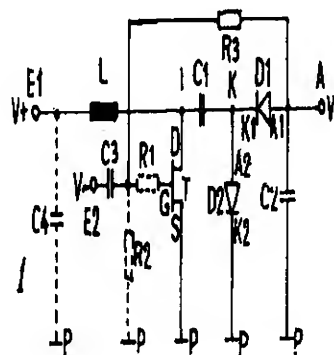
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

9 CLAIMS.

A circuit arrangement for producing an output voltage (V-) with a first polarity with respect to a reference potential P in an electronic device which is supplied with an operating voltage (V+) with a second polarity with respect to the reference potential (P), the circuit arrangement comprising:

- A coil (L) coupled between a first connection (D) of a load path of a transistor (T) and a first circuit input connection (E1), the operating voltage (VT) applied to the first circuit input connection;
- A second connection (S) of the load path of the transistor (T) coupled to the fixed reference potential (P);
- A control connection (G) of the transistor (T) coupled to a second circuit input connection (E2) to which an AC voltage (V_n) can be applied; and
- A first diode (D₁) and a second diode (D₂) wherein a first capacitor (C₁) is coupled between the first connection (D) of the load path of the transistor (T) and a cathode (K₁) of the first diode (D₁), the cathode (K₁) of the first diode (D₁) is coupled to an anode (A₂) of the second diode (D₂), a cathode (K₂) of the second diode (D₂) is coupled to the fixed reference potential (P), a second capacitor (C₂) is coupled between the fixed reference potential (P) and an anode (A₁) of the first diode (D₁) and the anode (A₁) of the first diode is connected to a circuit output connection (A) at the output voltage (V-).



Complete Specifications : 15 pages.

Drawings: 2 sheets

Ind.Cl : 206 E 191887

Int.Cl⁷ : H 04 M 1/60, H 04 R 25/00

Title : HEARING AID AND SYSTEM FOR USE WITH CELLULAR
TELEPHONES

Applicant : SIMENS HEARING INSTRUMENTS, INC, OF 10,
CONSTITUTION AVENUE, PISCATAWAY, NJ 08854, U.S.A.

Inventor : JOSEPH D. FAZIO

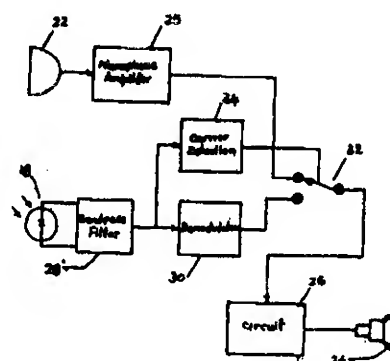
Application no. 1509/CAL/1997 FILED ON 14.08.1997
(CONVENTION NO. 08/701, 408 FILED ON 22.8.1996 IN UNITED STATES OF AMERICA.)
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

7 CLAIMS.

A hearing aid (16) for use with a cellular telephone (2') equipped with a light emitting diode (LED),
10 comprising:

- A microphone (22);
- A receiver (24);
- A hearing aid circuit (14, 26) operatively connected to said microphone (22) and
receiver (24);
- A photodiode (18);
- An audio-frequency demodulator (30); and
- A switch means (32) having a first state and a second state characterized in that a band
pass filter (28) is connected in series between said photodiode (18) and said
demodulator (30), and in that said switch means (32) causes said receiver (24) to be
operatively responsive to signals from said demodulator (30) when in said first state
and causing said receiver (24) to operatively responsive to signals from said
microphone (22) when in said second state.



Complete Specifications : 10 pages.

Drawings: 2 sheets

Ind. Cl. : 167 C 191888
 Int.Cl⁷ : B 07 C – 5/00
 Title : AN APPARATUS FOR SORTING UNSELECTED PRODUCT FROM
 SELECTED PRODUCT.
 Applicant : UNCLE BEN'S, INC. OF 5721 HARVEY WILSON DR., HOUSTON,
 TEXAS 77251, UNITED STATES OF AMERICA.
 Inventor : 1. THOMAS JOSEPH NOVAK.
 2. KAIZAR HASHIM COLOMBOWALA.
 3. ROBERT OTTO BRANDT, JR.
 4. ROY A PEETS.
 Application no. 1578/CAL/1997 FILED ON 27.08.1997
 (Convention nos. 08/713,702 AND 08/853,299 FILED ON 13.9.96 AND 09.05.1997 IN U.S.A.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING(CONVENTION NO. (RULE 4, PATENT
 RULES 2003)PATENT OFFICE KOLKATA.

12 CLAIMS.

An apparatus for sorting unselected product from selected product, comprising:

a chute (7) defining a path for said product (51), said chute having a cross-section (42,45) orientating said product, said chute having a separation section (36) creating space between said product on said chute, said chute having a stabilizing section (39) said chute having an end (48);

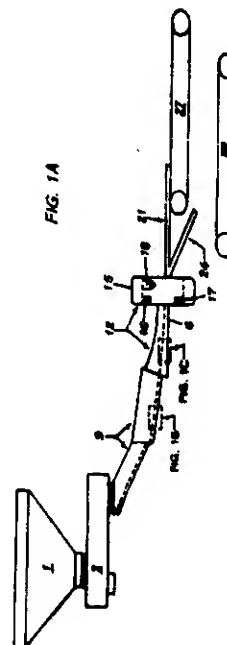
an analyzing area (15) for analyzing said product (51);

a light means (17) having a laser line (64), said laser line being transmitted through or reflected from said product (51) passing through said analyzing area (15);

a light detection means (63) being positioned to receive said laser line (64) transmitted through or reflected from said product (51);

an analyzing means (16) for determining selected and unselected product, said analyzing means (16) being coupled to said light detection means (63); and

a separating means (18) for sorting unselected product (51) from selected product, said separating means (18) being coupled to said analyzing means (16), characterized in that said chute (7) has a dual angle section in said separation section (36) for creating a space between said product (51).



Ind.Cl : 33 D 191889

Int.Cl⁷ : C 01 B 33/037

Title : AN IMPROVED COMPOSITION FOR COATING THE INNER SURFACE OF A METALLIC TROUGH USED FOR CASTING SPUN METAL PIPES AND A PROCESS FOR PREPARING THE SAME.

Applicant : STEEL AUTHORITY OF INDIA, OF ISPAT BHAWAN, LODI ROAD
NEW DELHI – 110003, INDIA

Inventor : 1. PRANAB DAS.
2. NIRMAL KANTI GHOSH.
3. SWAPAN KUMAR GARAI.
4. PURIMETLA CHINTAIAH.
5. AJOY KUMAR DASGUPTA

Application no. 1630/CAL/1997 FILED ON 04.09.1997

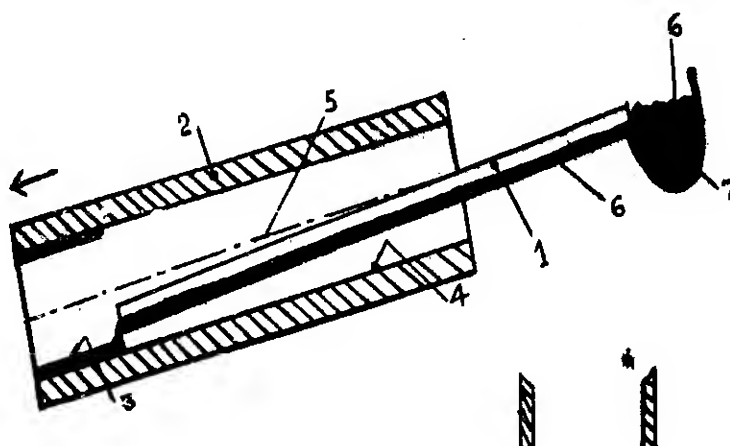
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

3 CLAIMS.

An improved composition for coating the inner surface of metallic trough used for casting spun metal pipes,

Characterised in that the composition comprises raw ingredients (by weight %) : amorphous graphite – 40 to 60, bentonite – 10 to 30, coke powder – 5 to 20 , fire clay grog – 10 to 30, each being of particle size 0.1 to 1 mm , and monoaluminium phosphate – 1 to 5 in liquid form; and is of chemical constituents (by weight %): C – 60 to 70, Al_2O_3 – 7 to 13 and SiO_2 – 15 to 25, the advantages obtained by using the composition being produced by the synergistic effect of the said ingredients.



Complete Specifications : 10 pages.

Drawings: 1 sheets

Ind.CI : 53 C 191890

Int.Cl⁷ : B 62 K 23/08

Title : AN IMPROVED AND MODIFIED ACCELERATING DEVICE FOR CYCLE

Applicant : MD. MONOWAR HOSSAIN, OF SASHTITALA PARA, BASANTA KUMAR JESSORE, BANGLADESH.

Inventor : MD. MONOWAR HOSSAIN

Application no. 2375/CAL/1997 FILED ON 16.12.1997

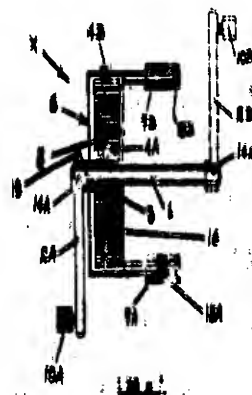
(PATENT ADDITION NO. 178827 OF 15.03.1997.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

4 CLAIMS.

An improved and modified accelerating device for cycles comprising an energy storage box (6) primarily housing a spring (5) constituted in a casing (16) having means provided therewith for fixation with the frame (18) of a cycle (17) opposite to the pedal operated gear pinion (11) set on the generally equipped ball bearing spindle (1) of the cycle (17) which is made to pass through the centre of the said casing (16) is characterised in that the said ball bearing spindle (1) is made lengthier and on the said extended portion is fitted the crank (2A) of a pedal (10A) having an extended limb (19) whereon within the said casing (16) there is provided a second free wheel (3) mounted in the direction reverse to the normally supplied free wheel (13) fixed on the axle (20) of the rear wheel (21) of the cycle (17) to work in association with the said spring (5) being embedded with spring holders (4A, 4B) at their edges thereof whose one edge is secured with the said casing (16) by means of one of the said spring holder (4B) while the other edge is made to overlie/rest on the teeth of the said second free wheel (3) such that when the said second free wheel (3) is pedalled/rotated backward in the anticlockwise direction then the said overlying edge of the said spring (5) get locked with the teeth of the said second free wheel (3) by means of the other said spring holder (4A) embeded on the said spring (5) thereby creating tension and storing mechanical power whereas the said second free wheel (3) when pedalled/rotated forward in the clockwise direction then the said spring holder (4A) embeded with the said spring (5) keep slipping to utilise the already created and stored mechanical power of the said spring (5) wherein the said spring locks as soon as the pedal is moved backward and said one spring is provided in the cycle instead of two springs to increase the efficiency of speed of the cycle.



Complete Specifications : 11 pages.

Drawings: 1 sheets

Ind.Cl :
 Int.Cl⁷ : G 02 B 23/08 23/02 191891
 Title : IMAGE AMPLIFYING DEVICE FOR DAY AND NIGHT USE IN
 OBSERVATION EQUIPMENT
 Applicant : SAMSUNG ELECTRONICS CO. LTD. OF 416, MAETAN-DONG.
 PALDAL-GU, SUWON-CITY, KYUNGKI-DO, KOREA.
 Inventor : SOO-BONG SHIN
 Application no. 2235/CAL/1996 FILED ON 24.12.1996
 (Convention no. 64215/1995 FILED ON 29.12.1995 IN KOREA.)
 APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

5CLAIMS.

An image amplifying device (4) for day and night combined use in an observation equipment, said device being mounted on a frame of a periscope of a naked-eye sighting observation equipment both during a daytime and during a nighttime and said device comprising :-

- an image amplifying tube (3) moving up and down by a vertical driving motor so as to accurately locate it in the optical path and so as to make the night seeing possible.
- a horizontal driving motor (5) mounted on said frame (2), a gear of said horizontal driving motor (5) being engaged with a horizontal driving gear (6) of said image amplifying device (4), so as to allow said image amplifying device (4) to move horizontally with respect to an optical path;
- a vertical driving motor (9) with a shaft (7) on which a spur gear (10) and a first bevel gear (11) are mounted;
- a lead screw (12) with a gear (13) engaged with said spur gear (10);
- a shaft gear (14) with an end engaged with said first bevel gear (11);
- a second bevel gear (15) engaged with another end of said shaft gear (14);
- a spur gear (16) mounted on a shaft of said second bevel gear (15), so as to allow said spur gear (16) to be engaged with a gear (13) of a lead screw (12); and
- said image amplifying tube (3) mounted on said lead screws (12,17) so as to be movable up and down.

Complete Specifications : 9 pages.

Drawings: 4 sheets

Ind.Cl : 191892

Int.Cl⁷ : B 60 R - 21/20 C 08 L - 53/02 , C 08 K 15/01

Title : A THERMIPLASTIC ELASTOMER COMPOSITION

Applicant : ASAHI KASEI KABUSHIKI KAISHA, OF 2-6, DOJIMAHAMA
1-CHOME, KITA-KU, , OSAKA, , JAPAN

Inventor : 1. TETSUO MASUBUCHI.
2. MITSUHIRO TANAKA

Application no. 312/CAL/1997 FILED ON 20.02.1997

(Convention no.8-039330 FILED ON 27.02.1996 IN JAPAN.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

6 CLAIMS.

A thermoplastic elastomer composition comprising:

(a) 100 parts by weight of a hydrogenated block copolymer mixture of:

(a-1) 40 to 70 parts by weight of a first hydrogenated block copolymer which is obtained by hydrogenating a first block copolymer comprising two A polymer blocks each comprised mainly of a vinyl aromatic compound and one B polymer block comprised mainly of a conjugated diene compound, wherein said first hydrogenated block copolymer has a number average molecular weight of from 60,000 to 100,000 and contains said two A polymer blocks in an amount of from 10 to 35 % by weight, in terms of the amount of said two A polymer blocks prior to the hydrogenation, based on the weight of said first hydrogenated block copolymer, and

(a-2) 30 to 60 parts by weight of a second hydrogenated block copolymer which is obtained by hydrogenating a second block copolymer comprising one or two A' polymer blocks comprised mainly of a vinyl aromatic compound and one B' polymer block comprised mainly of a conjugated diene compound, wherein said second hydrogenated block copolymer has a number average molecular weight of from 30,000 to 59,000 and contains said one or

two A' polymer blocks in an amount of from 10 to 35 % by weight, in terms of the amount of said one or two A' polymer blocks prior to the hydrogenation, based on the weight of said second hydrogenated block copolymer;

(b) 25 to 60 parts by weight of a propylene polymer resin having a melt flow rate of from 5 to 50g/10 minutes as measured at 230 °C under a load of 2.16kg in accordance with ASTM D1238; and

(c) 0 to 30 parts by weight of a paraffin oil.

Complete Specifications : 69 pages.

Drawings: 2 sheets

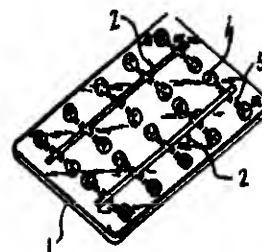
Ind.Cl : 186 A 191893
Int.Cl⁷ : H 04 M 1/10, 1/03
Title : PROCESS FOR PRODUCING INDUCTIVELY OPERATING COUNTING SYSTEM.
Applicant : ATOTECH DEUTSCHLAND GMBH, OF ERASMUSSTRASSE 20-24, D-10553, BERLIN, GERMANY.
Inventor : 1. FRANZ KOHNLE.
2. DR. HEINRICH MEYER
3. DR. GONZALO URRUTIA DESMAISON.
Application no. 477/CAL/97 FILED ON 17.03.1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

6 CLAIMS.

Process for producing inductively operating counting systems by forming a conducting structure on an electrically non-conducting substrate, comprising a stage involving the application of a suitable catalyst for the currentless deposition of metals on to the electrically non-conducting substrate as well as conventional pretreatment and post-treatment steps, characterised by the following process stages:



- 1) Application of a liquid photoresist, the said liquid photoresist being printed only on to the surface not subsequently covered by the conductive pattern and on to the fine-structured portions of the conduction pattern,
- 2) Subsequent photostructuring of the fine-structured portions of the conductive pattern by illumination and subsequent developing,
- 3) Subsequent currentless deposition of a first thin metallic layer on to the exposed, catalytically coated surface regions,
- 4) Subsequent electrolytic deposition of a second metallic layer on to the first metallic layer, and
- 5) Subsequent application of a decorative protective lacquer or varnish film,

the stage of application of the suitable catalyst for the currentless deposition of metals being carried out either before the process step 1) or before the process step 3)

Complete Specifications : 22 pages.

Drawings: 1 sheets

Ind.Cl : **191894**

Int.Cl⁷ : B 08 B 1/02, 3/08, C23G 1/02

Title : A PROCESS FOR PRODUCING DESCALED FERROUS ALLOY
CONTAINING CHROMIUM.

Applicant : ARMCO INC, OF 705 CURTIS STREET, MIDDLETOWN, OHIO
45044-3999, UNITED STATES OF AMERICA.

Inventor : 1. RONALD D. RODABAUGH.
2. JERALD W. LEEKER

Application no. 919/CAL/1997 FILED ON 21.05.1997

(Convention nos. 08/667, 498 AND 08/821, 154 FILED ON 20.03.1997 AND 24.5.1996 IN USA)
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

20 CLAIMS.

A process for producing descaled ferrous alloy containing chromium comprising: providing a ferrous alloy strip containing chromium covered by scale, pretreating the strip to crack the scale, Immersing the pretreated strip into at least one picking tank containing an inorganic acid from the group consisting of hydrochloric and sulfuric acid to remove the cracked scale, and Applying an aqueous solution containing at least 10g/l of hydrogen peroxide to the pickled strip wherein any residual scale on the strip becomes activated by the hydrogen peroxide and removed by the inorganic acid thereby forming a clean strip.

Complete Specifications : 16 pages.

Drawings: 3 sheets

191895

Ind.Cl :
Int.Cl⁷ : C 01B-17/76
Title : A PROCESS OF PRODUCING SULFURIC ACID FROM A STEAM
CONTAINING GAS MIXTURE.
Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF
REUTERWEG 14, D-60323 FRANKFURT AM MAIN, GERMANY.
Inventor : 1. EKKEHART SEITZ.
2. HERMANN MULLER.
3. GEORG SCHMIDT.

Application no. 1103/CAL/1997 FILED ON 11.06.1997
(Convention no. 19628169.5 FILED ON 12.07.1996 IN GERMANY.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

5 CLAIMS.

A process of producing sulfuric acid from a steam-containing gas mixture, which contains SO_3 and H_2O in a molar ratio of 2:1 to 1:1 and comes from a catalytic SO_2 oxidation at a temperature of 300 - 600°C, characterized in that the gas mixture containing SO_3 and steam is passed through a condenser, in which the mixture is indirectly cooled by means of a cooling fluid to a temperature at the outlet of the condenser of 130 to 240°C, where 50 to 100% of the theoretically possible sulfuric acid are formed, condensed and discharged, and the cooling fluid, which has been heated to a temperature of 130°C, is withdrawn from the condenser, and that an SO_3 - containing gas mixture is withdrawn from the condenser, the gas mixture is brought in direct contact with concentrated sulfuric acid of 60 - 120°C, and concentrated product sulfuric acid is withdrawn.

Complete Specifications : 12 pages.

Drawings: 1 sheets

Ind.CI : 206 E
 Int.CI⁷ : H 04 N 9/79, 5/06 191896

Title : A PULSE SHAPER ARRANGEMENT OF A VIDEO DISPLAY APPARATUS.

Applicant : THOMSON CONSUMER ELECTRONICS, INC. OF 10330 NORTH MEDIDIAN STREET, INDIANAPOLIS, INDIANA 46290-1024 UNITED STATES OF AMERICA.

Inventor : JAMES ALBERT WILBER

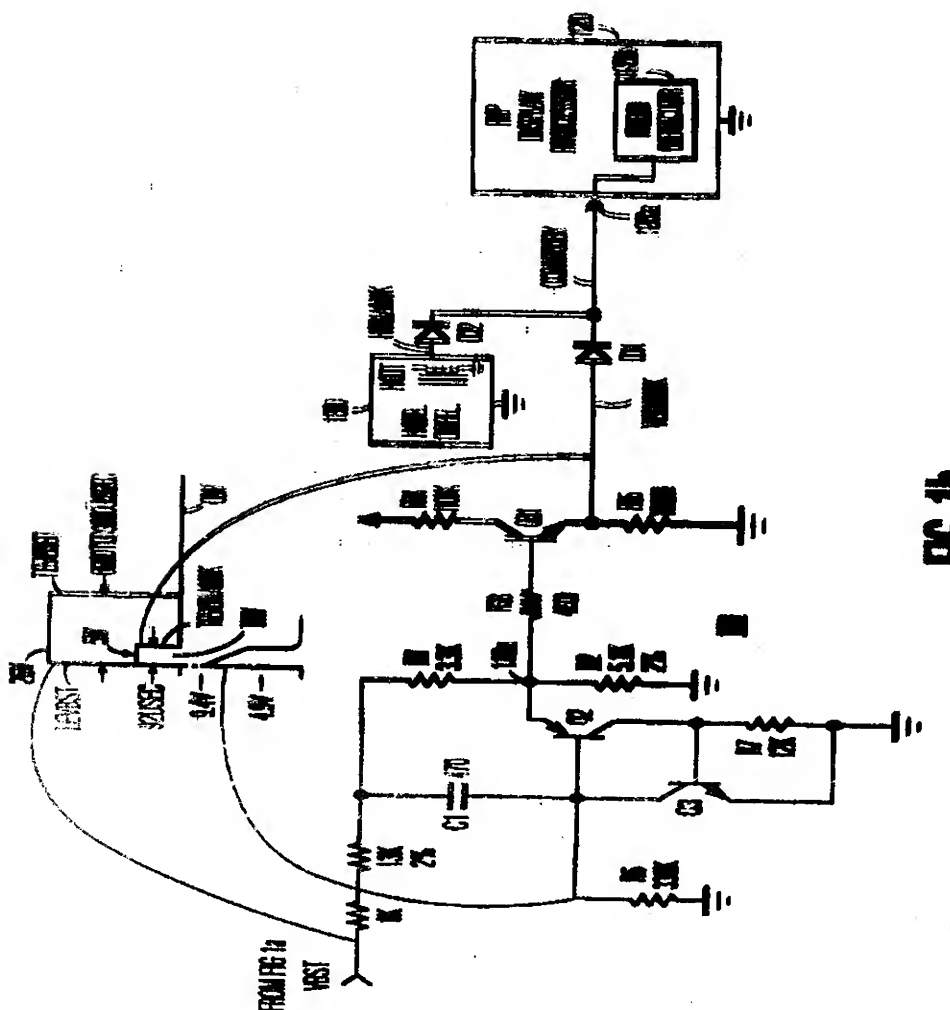
Application no. 1188/CAL/1997 FILED ON 23.6.1997

(Convention no. 675,199 FILED ON 3.7.96 IN USA)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

10 CLAIMS.



A pulse shaper of a video display apparatus, comprising:

- a shunt transistor switch (Q2);
- a source of a first pulse voltage (VBST) at a frequency related to a vertical deflection frequency;
- a differentiator (C1,R6) responsive to said first pulse voltage for generating a second pulse voltage (base voltage of Q2) coupled to a control terminal (base) of said shunt transistor switch to control said shunt transistor switch in accordance with said second pulse voltage such that a trailing edge of said second pulse voltage occurs prior to a trailing edge (TEVBST) of said first pulse voltage characterized in that
 - a first impedance (R1) coupled to said source of said first pulse voltage and to a main current conductive terminal (EMITTER) of said shunt transistor switch for generating a third pulse voltage (VBLANK) having a trailing edge (TEVBLANK) that is determined in accordance with said trailing edge of said second pulse voltage, said third pulse voltage being coupled to a video display processor (120) for providing timing information of said first pulse voltage from said trailing edge of said third pulse voltage.

Complete Specifications : 10 pages.

Drawings: 2 sheets

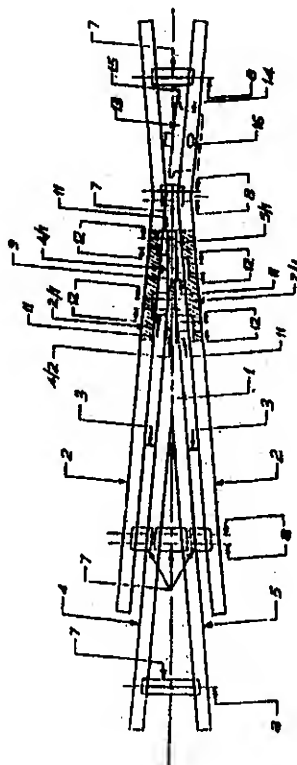
Ind.Cl : 157 A 1 191897
 Int.Cl⁷ : E 01B7/00
 Title : IMPROVED RAILWAY CROSSING
 Applicant : BINA METAL WAY LTD. OF B-4 PHASE – II INDUSTRIAL AREA
 ADITYAPUR, JAMSHEDPUR- 831013, BIHAR, INDIA.
 Inventor : PRONAB MUKHERJEE

Application no. 1355/CAL/1997 FILED ON 21.07.1997
 COMPLETE AFTER PROVISIONAL FILED ON 08.10.1997
 APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

10 CLAIMS.

An improved railway crossing comprising a pair of wing rails (2) and a Vee (1) located between said wing rails with a gap (3) between said Vee and the respective wing rail, spacer blocks (7) with bolts (8) securing the wing rails to the Vee and said Vee comprising a point rail (4) and a splice rail (5) with their heads terminating at the Actual Nose (9) of the crossing, characterised in that the webs of said point rail (4) and said splice rail (5) are extended beyond said Actual nose (9), and said extended webs (4/1, 5/1) of said point rail and splice rail are connected to the webs of said wing rails by means of blocks (11) and bolts (12).



PROVISIONAL SPECN : 5 PAGES.

DRAWING : NIL

Complete Specifications : 13 pages.

Drawings: 4 sheets

Ind.Cl : 80 R, 97 F 191898

Int.Cl⁷ : B 01 D 35/18

Title : FUEL FILTER FOR FUEL-WATER SEPARATION

Applicant : FLEETGUARD, INC, OF 100 BNA CORPORATE CENTER,
SUITE 500, NASHVILLE, TENNESSEE 32717, U.S.

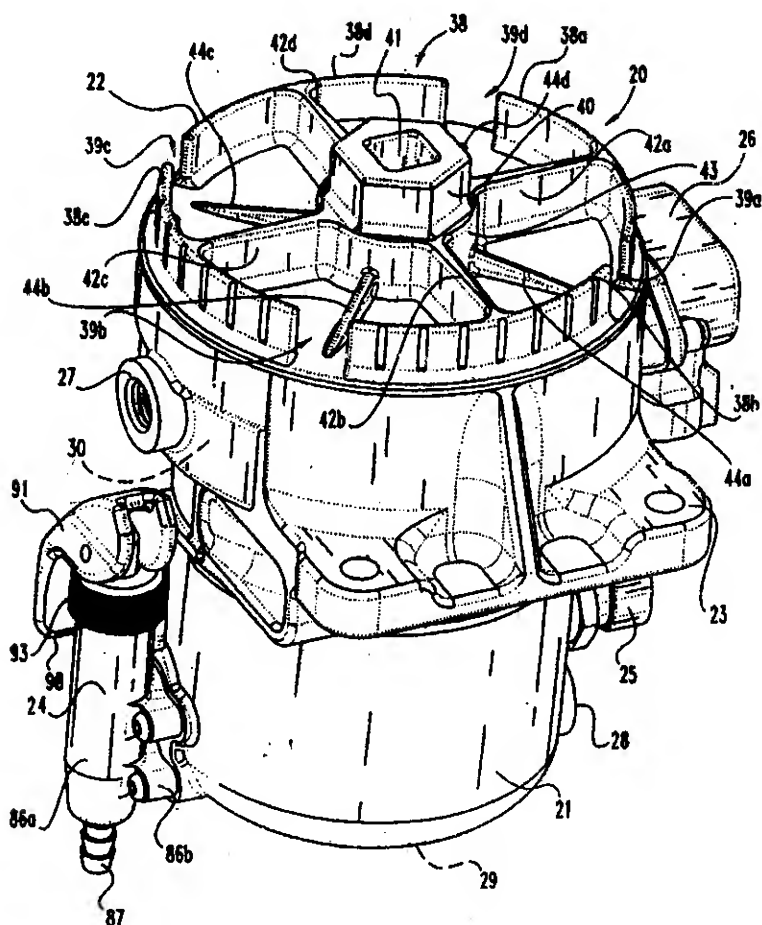
Inventor : ^{VILLE}
1. PAUL D MILLER.
2. KEITH LILLY
3. BILL HEDGECOUGH.
4. A. CANER DEMIRDOGEN.
5. ZEMIN JIANG.
6. DEAN A. SCHMIDT.
7. TED F. PRATER.

Application no. 2037/CAL/1997 FILED ON 28.10.1997
(Convention no. 08/742, 631 FILED ON 01.11.1996 IN UNITED STATES OF AMERICA.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

11 CLAIMS.



A fuel constructed and arranged for fuel-water separation, said fuel filter comprising:

- a unitary housing having an open top and a closed base and therebetween a sidewall which in combination with said closed base defines a hollow interior space, the base of said housing comprising a support post extending into said interior space in the direction of said open top;
- a fuel filter cartridge disposed in said interior space, said fuel filter cartridge comprising a filter element, a centertube, a top endplate, and a bottom endplate, said top and bottom endplate being bonded to opposite ends of said filter element, said bottom endplate being spaced from said closed base;
- a unitary lid constructed and arranged for threaded attachment to said housing for closing said open top and comprising a plurality of snap-fit fingers for press-on attachment to said top endplate;

characterized in that

- a heater ring mounted into said housing and positioned around said filter cartridge, said heater ring comprising plurality of PTC stones and defining an initial path for entering, fuel, and a means for mounting said heater ring to said housing comprising a pair of snap-in-fingers and said unitary housing defining a pair of receivers for fixedly receiving said pair of snap-in-fingers;
- a heater connector arranged in electrical contact with said heater ring and comprising a thermostat wire in series to control the delivery of power to said heater ring;
- a drain valve mounted to said housing and defining a passage being in flow communication with the hollow interior space of said housing; and
- a water-in-fuel sensor mounted to said housing and being constructed and arranged for deriving conductivity readings.

Complete Specifications : 22 pages.

Drawings: 14 sheets

Ind.Cl : 107 H **191899**

Int.Cl⁷ : F 02 M 43/00

Title : HIGH-PRESSURE FUEL-FEED PUMP

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, OF 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100, JAPAN

Inventor : 1. SHUZO ISOZUMI.
2. HIDEKI MORIKAKU
3. KEIICHI KONISHI.
4. WAKAKI MIYAJI

Application no. 2123/CAL/1997 FILED ON 11.11.1997
(CONVENTION NO.9 -127029 FILED ON 16.05.1997 IN JAPAN.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

8 CLAIMS.

A high-pressure fuel-feed pump comprising:

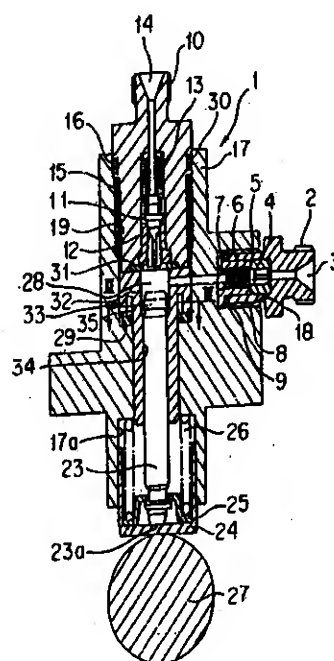
A pump body

A locking member screwed to the pump body;

A cylinder located between the locking member and the pump body, the cylinder having a fixing portion for receiving a compression force in a longitudinal direction when the locking member is screwed to the pump body, and a sliding portion continuous with the fixing portion and extending in the longitudinal direction a plunger reciprocable in the sliding portion of the cylinder; and

A driving member for driving the plunger;

Said fixing portion of the cylinder having a slit formed therein.



Complete Specifications : 17 pages.

Drawings: 5 sheets

Ind.Cl : 12 (C) 33 (H) 191900

Int.Cl⁷ : B22D 11/055 C22C 38/34

Title : A PROCESS FOR CONTINUOUS CASTING OF 1.5-2% SILICON STEEL SLAB FREE FROM SURFACE AND INTERNAL CRACKS.

Applicant : STEEL AUTHORITY OF INDIA OF ISPAT BHAWAN, LODHI ROAD NEW DELHI – 1100 03, INDIA.

Inventor : 1. SANTANU KUMAR RAY.
2. BIRESWAR MUKHOPADHYAY.
3. ASIM KUMAR RAY.
4. NIRMAL PRADHAN
5. SOMNATH GHOSH.

Application no. 2067/CAL/1998 FILED ON 23.11.1998

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003)

PATENT OFFICE KOLKATA.

7 CLAIMS.

A process for continuous casting of liquid steel having high silicon content in the range of 1.5-2.0 % to produce slabs comprising :

pouring the liquid steel into tundish of a continuous casting machine maintaining the temperature of liquid steel at 1525-1540 degree C ;

allowing the liquid steel from said tundish to drop into a mould wherein it is allowed to remain for 60-70 seconds, said mould having a dummy bar/platform at the bottom thereof ;

pulling down the said dummy bar/platform bottom of said mould at an average rate of 0.6-0.8 m/min ;

applying casting powder such as herein described on top of said liquid steel in said mould ;

cooling the solidified strand obtained from said mould by apply water in the range of 0.9-1.0 l/kg of steel to thereby produce the slab.

Complete Specifications : 9 pages.

Drawings: NIL

AMENDMENT PROCEEDING UNDER SECTION 57

Notice is hereby given that GIST-BROCADES B.V., of Wateringseweg 1, P.O. Box 1, 2600 MA Delft, The Netherlands have made an application on Under Section 57 of the Patents Acts, 1970 for change of name and address of their application No. 516/Del/98 (188177) for "A PROCESS FOR THE PRODUCTION OF A BETA-LACTAM COMPOUND." The amendments are by way of change of name and address from "GIST-BROCADES B.V., of wateringseweg 1, Box 1, 2600 MA Delft, The Netherlands" to "DSM GIST B.V. of Wateringseweg 1, 2611 XT DELFT, The Netherlands."

The application and the proposed amendments can be inspected free of charge at Patent Office, W-5, West Patel Nagar, New Delhi-110008 for copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form within 3 months from the date of this Notification at the Patent Office, New Delhi.

Notice is hereby given that M/s. Hindustan Lever Limited, of 165/166, Backbay Reclamation, Mumbai-400 020, Maharashtra, India has made application under Section 57 of the Patents Act, 1970 (As Amended) for amendment of address of service in India in respect of Patent Application No. 173462 (224/BOM/1991) for "Process for making a soap composition containing glycerol." The application for amendments and proposed amendment can be inspected free of charge at the Patent Office Branch, Todi Estate, 11rd Floor, Sun Mill Compound, Lower Parel (West) Mumbai-400 013, on any working day during the usual office hours or copies of the same can be had on payment of usual copying charges. Any person interested in opposing the application may file the notice of opposition on the prescribed form-14 alongwith full written statement within three months from the date of this notification to the Patent Office Branch, Mumbai.

If full written statement of opposition is not filed with the notice of opposition; it should be left within two months from the date of filing the said notice of opposition.

Notice is hereby given that M/s. Hindustan Lever Limited, of 165/166, Backbay Reclamation, Mumbai-400 020, Maharashtra, India has made application under Section 57 of the Patents Act, 1970 (As Amended) for amendment of address of service in India in respect of Patent Application No. 173953 (223/BOM/1991) for "Process for making a soap composition containing glycerol." The application for amendments and proposed amendment can be inspected free of charge at the Patent Office Branch, Todi Estate, 11rd Floor, Sun Mill Compound, Lower Parel (West) Mumbai-400 013, on any working day during the usual office hours or copies of the same can be had on payment of usual copying charges. Any person interested in opposing the application may file the notice of opposition on the prescribed form-14 alongwith full written statement within three months from the date of this notification to the Patent Office Branch, Mumbai.

If full written statement of opposition is not filed with the notice of opposition; it should be left within two months from the date of filing the said notice of opposition.

PATENT SEALED ON 12-12-2003 (KOLKATA)



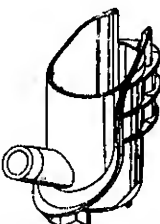

173958 174044 181915 182591 188447 188941 189901 189903 189905 189909 189910 189971
189972 189973 189974 189976 189977 189979 189986

KOL—17; DEL—NIL; MUM—02; CHEN—NIL;






REGISTRATION OF DESIGNS

The following designs have been registered. They are open for public inspection from the date of registration. (Colour combination if any, is not shown in the representation)




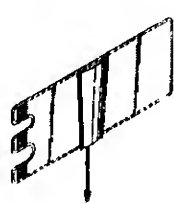

The dates shown in the following each entry is the date of registration.

Class	09-01	No.1918787. M/S.. RAJAM CONDIMENTS, NO. 24/1, 2 ND STREET, NORTH BOAG ROAD, T. NAGAR, CHENNAI-600017, T.N. SOUTH INDIA. "PER JAR" 21 st April 2003.	
Class	19-06	No.191987. MITSUBISHI PENCIL LTD OF 23-37, 5-CHOME, HIGASHI-OHI, SHINAGAWA-KU, TOKYO, JAPAN. "BALL POINT PEN" 22 nd January 2003 (Reciprocity, Japan.)	
Class	28-99	No.192058. GLAXO GROUP LIMITED, WELLCOME HOUSE, BARKELEY AVENUE, GREENFORD, MIDDLESEX, UB6 0NN, U.K. "INSERT FOR MEDICAMENT DISPENSER" 7 th Nov. 2002 (Reciprocity, Great Britain)	
Class	13-03	No.192238. SHRENIK OF UNICROM ELECTRICALS AT NO. 7, 1 ST FLOOR, D. K. LANE, BASETTPET, BANGALORE-560053. KARNATAKA, INDIA "SWITCH PLATE" 30 th May 2003.	


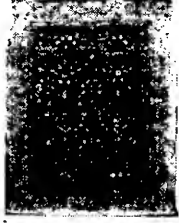



Page No.2.

Class	02-07	No.191650. NEEDLE INDUSTRIES (INDIA) PVT. LTD. OF KETTI POST OFFICE, THE NILGIRIS-643-215, TAMILNADU. "KNITTING PINS KNOB" 24 th March 2003.	
Class	28-01	No.191746. M/S. CIPLA LIMITED, OF 289, BELLASIS ROAD, MUMBAI CENTRAL, MUMBAI-400008, MAHARASHTRA, INDIA. "INHALER" 3 rd April 2003.	
Class	28-01	No.191745. M/S. CIPLA LIMITED, OF 289, BELLASIS ROAD, MUMBAI CENTRAL, MUMBAI-400008, MAHARASHTRA, INDIA. "INHALER-LEVER" 3 rd April 2003.	
Class	28-01	No.191744. M/S. CIPLA LIMITED, OF 289, BELLASIS ROAD, MUMBAI CENTRAL, MUMBAI-400008, MAHARASHTRA, INDIA. "INHALER MIXER" 3 rd April 2003.	
Class	28-01	No.191743. M/S. CIPLA LIMITED, OF 289, BELLASIS ROAD, MUMBAI CENTRAL, MUMBAI-400008, MAHARASHTRA, INDIA. "INHALER-MOUTH PIECE" 3 rd April 2003.	





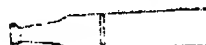
Page No.3.

Class	02-02	No.190881. BHAVESH ANTANI, INDIAN INHABITANT OF D-6/408, INLAKS PARK 15, YARI ROAD, VERSOVA, MUMBAI-400061, MAHARASHTRA, INDIA. "EYE MASKS" 1 st January 2003.	
Class	24-01	No.190882. KABUSHIKI KAISHA TOSHIBA, A JAPANESE CORPORATION, OF 1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO, JAPAN. "X-RAY APPARATUS FOR MEDICAL TREATEMENT" 22 nd July 2002 (Reciprocity, Japan)	
Class	03-01	No.190803. V.I.P. INDUSTRIES LIMITED, SECRETARIAL AND LEGAL DEPT. DGP HOUSE, 88-C, OLD PRABHADEVI ROAD, MUMBAI-400025, MAHARASHTRA, INDIA. "HANDBAG" 24 th December 2002.	
Class	24-04	No.190824. HUNTLEIGH TECHNOLOGY PLC., A BRITISH COMPANY OF 310-312, DALLOW ROAD, LUTON, BEDFORDSHIRE, LU1 1TD, U.K. "BARIATRIC GARMENT" 24 th June 2002 (Reciprocity, U.S.)	
Class	03-01	No.190806. V.I.P. INDUSTRIES LIMITED, SECRETARIAL AND LEGAL DEPT. DGP HOUSE, 88-C, OLD PRABHADEVI ROAD, MUMBAI-400025, MAHARASHTRA, INDIA. "HANDBAG" 24 th December 2002.	

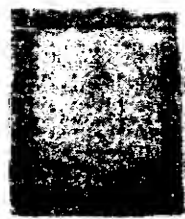




Page No.5.

Class	12-16	No.190875. VIKAS POLYMERS OF NW-113, VISHNU GARDEN, NEW DELHI-110018, INDIA. "STEERING GRIP OF CARS" 1 st January 2003.	
Class	06-11	No.190613. S, N, KAPOOR EXPORTS OF KHAWASHJI KA BAGH, AMER ROAD, JAIPUR-302002, RAJASTHAN INDIA. "CARPET" 2 nd December 2002.	
Class	06-11	No.190612. . S, N, KAPOOR EXPORTS OF KHAWASHJI KA BAGH, AMER ROAD, JAIPUR-302002, RAJASTHAN INDIA. "CARPET" 2 nd December 2002.	
Class	06-11	No.190611. . S, N, KAPOOR EXPORTS OF KHAWASHJI KA BAGH, AMER ROAD, JAIPUR-302002, RAJASTHAN INDIA. "CARPET" 2 nd December 2002.	
Class	06-11	No.190610. . S, N, KAPOOR EXPORTS OF KHAWASHJI KA BAGH, AMER ROAD, JAIPUR-302002, RAJASTHAN INDIA. "CARPET" 2 nd December 2002.	

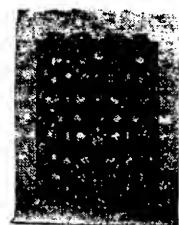
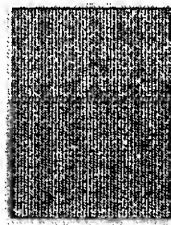

Page No.4.

Class	19-06	No.190833. MR. VINOD SACHDEV, OF 603, NATASHA POWERS, VEERSOVA LINK ROAD, 7 BUNGLOWS., ANDHERI 9W), MUMBAI-400061, MAHARASHTRA, INDIA. "PEN" 26 th December 2002.	
Class	02-07	No.190879. ASHOK CHATURVEDI, AN INDIAN NATIONAL OF 118-119, DAMJI UDYOG BHAWAN, 1 ST FLOOR, 25A, VEERA DESAI ROAD, ANDHERI (WEST), MUM-BAI-400053, MAHARASHTRA, INDIA. "A ZIPPER SLIDER ASSEMBLY WITH DIAPHRAGM FOR FLEXIBLE PACKAGES" 1 st January 2003.	
Class	03-01	No.190805. V.I.P. INDUSTRIES LIMITED, SECRETARIAL AND LEGAL DEPT. DGP HOUSE, 88-C, OLD PRABHADEVI ROAD, MUMBAI-400025, MAHARASHTRA, INDIA. "HANDBAG" 24 th December 2002.	
Class	03-01	No.190804. V.I.P. INDUSTRIES LIMITED, SECRETARIAL AND LEGAL DEPT. DGP HOUSE, 88-C, OLD PRABHADEVI ROAD, MUMBAI-400025, MAHARASHTRA, INDIA. "HANDBAG" 24 th December 2002.	
Class	27-01	No.190830. SOEX INDIA PVT. LTD. POST BAG NO. 9992, NIRMAL, 21 ST FLOOR, MUMBAI-400021, STATE OF MAHARASHTRA, INDIA. "BIDU CIGARETTE FILTER" 26 th December 2002.	

Page No.6.

Class	06-11	No.190609 S. N, KAPOOR EXPORTS OF KHAWASHJI KA BAGH, AMER ROAD, JAIPUR-302002, RAJASTHAN INDIA. "CARPET" 2 nd December 2002.	
Class	06-11	No.190608. S. N, KAPOOR EXPORTS OF KHAWASHJI KA BAGH, AMER ROAD, JAIPUR-302002, RAJASTHAN INDIA. "CARPET" 2 nd December 2002.	
Class	09-01	No.190471. RALLIS INDIA LTD. OF RALLIS HOUSE, 21, D.S. MARG, MUMBAI-400001, MAHARASHTRA, INDIA. "CONTAINER" 20 th November 2002.	
Class	31-00	No.190384. MR. P. KUMERESAN OF M/S. PONMANI INDUSTRIES NO. 5, 1 ST CROSS, THIANNEER PANDAL, PEELAMEDU, COIMBATORE-4, TAMIL NADU. "WET GRINDER" 11 th November 2002.	
Class	13-03	No.190874. M/S. ASEA BROWN BOVERI LTD., AN INDIAN COMPANY, AT 2 ND FLOOR, EAST WING, KHANJIA BHAVAN, 49, RACE COURSE ROAD, BANGALORE:- 560 001, KARNATAKA, INDIA. "POWER COMPENSATOR" 1 st January 2003.	

Page No.7.

Class	06-11	No.190614. S, N, KAPOOR EXPORTS OF KHAWASHJI KA BAGH, AMER ROAD, JAIPUR-302002, RAJASTHAN INDIA. "CARPET" 2 nd December 2002.	
Class	05-01	No.190098. LIN, KENNETH SUNCHWEN, OF NO.110, TUNG PING RD., TAINAN CITY, TAIWAN. "TEXTILE FABRIC" 3 rd October 2002	
Class	09-01	No.190324. R.R. OOMERBHOY PVT. LTD., A INDIAN COMPANY REGISTERED UNDER COMPANIES ACT, 1956, AT 5, SOONA MAHAL, 143, MARINE DRIVE, VEER NARIMAN ROAD, MUMBAI: -400 020, MAHARASHTRA, INDIA. "CONTAINER" 1 st November 2002.	

Dr. S. N. MAITY
Controller General of Patents, Designs & Trade Marks